11.5.Test Procedure

11.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

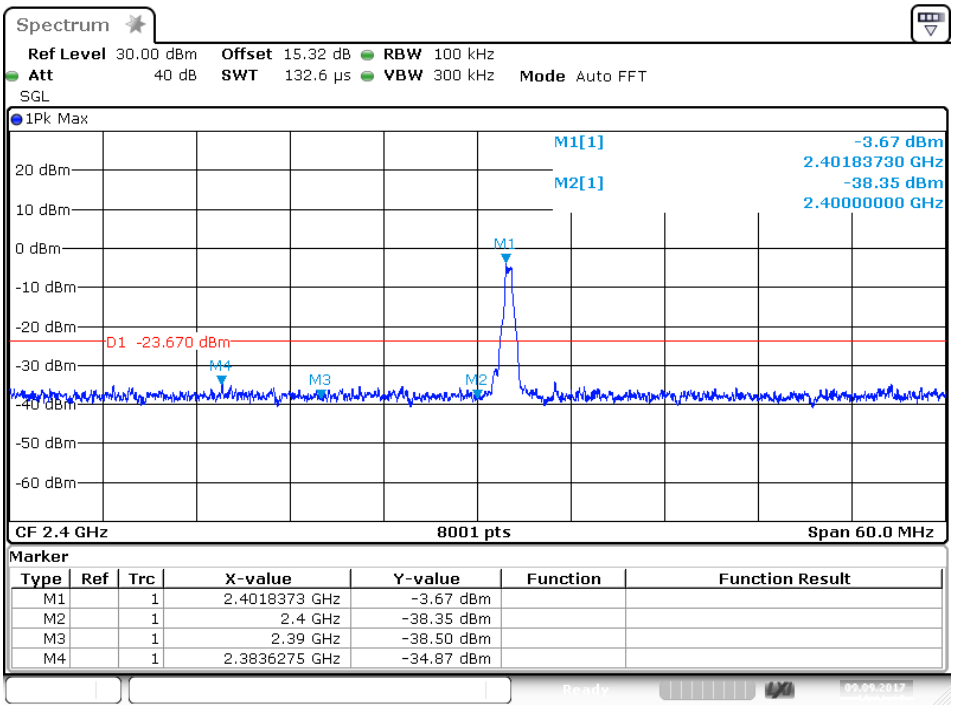
11.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz with convenient frequency span including 100 kHz bandwidth from band edge.

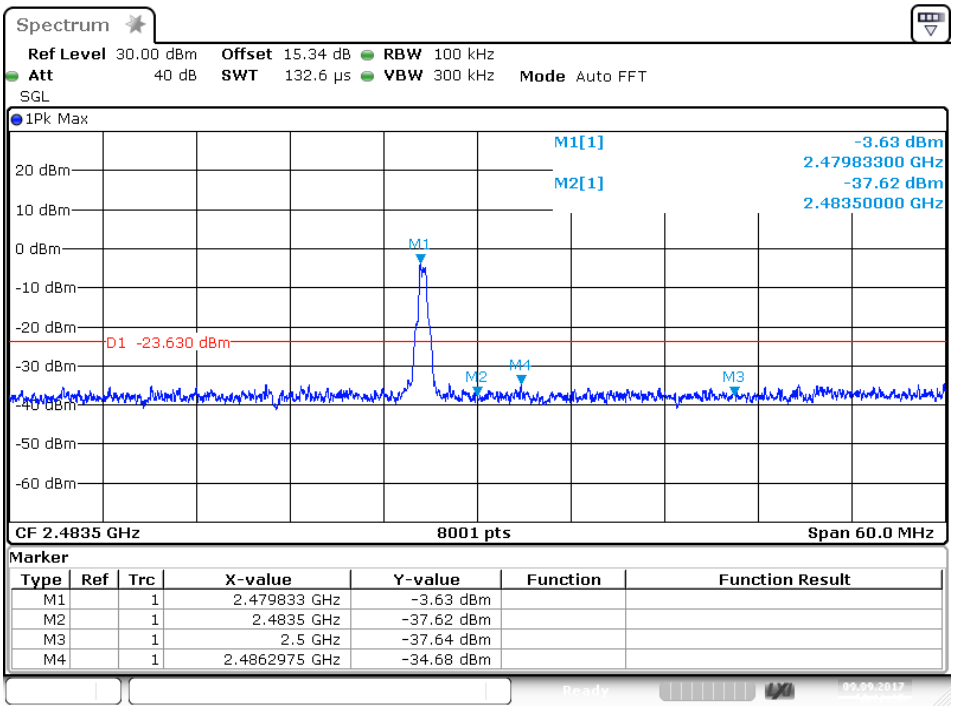
11.5.3.The band edges was measured and recorded.

11.6.Test Result

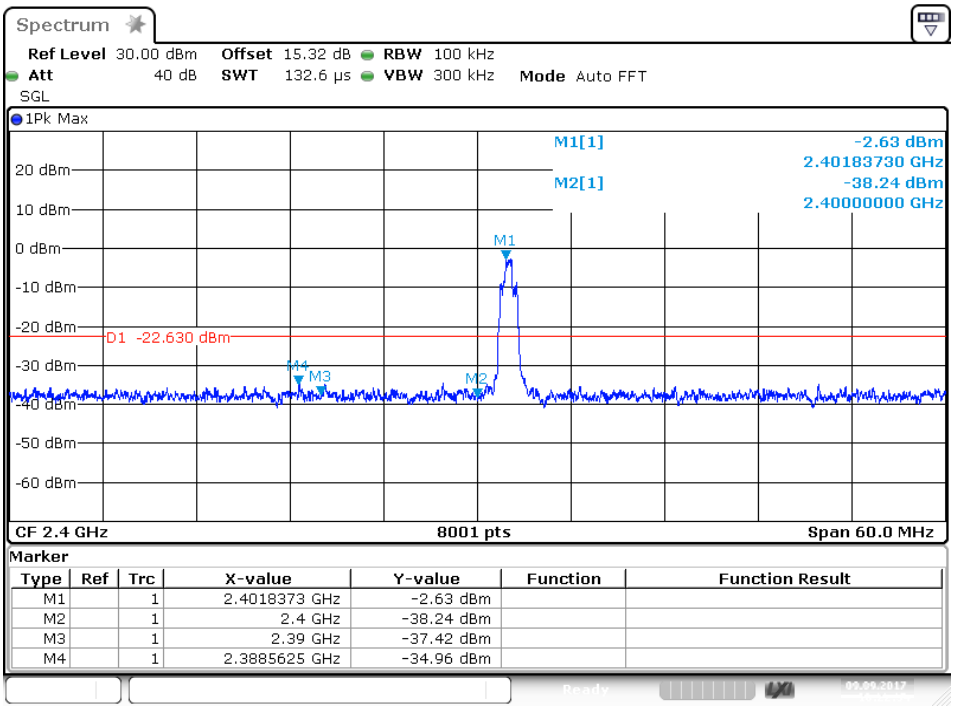
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
GFSK		
2400.00	42.02	> 20dBc
2483.50	41.25	> 20dBc
Π/4-DQPSK Mode		
2400.00	40.87	> 20dBc
2483.50	39.89	> 20dBc
8DPSK		
2400.00	41.07	> 20dBc
2483.50	39.60	> 20dBc

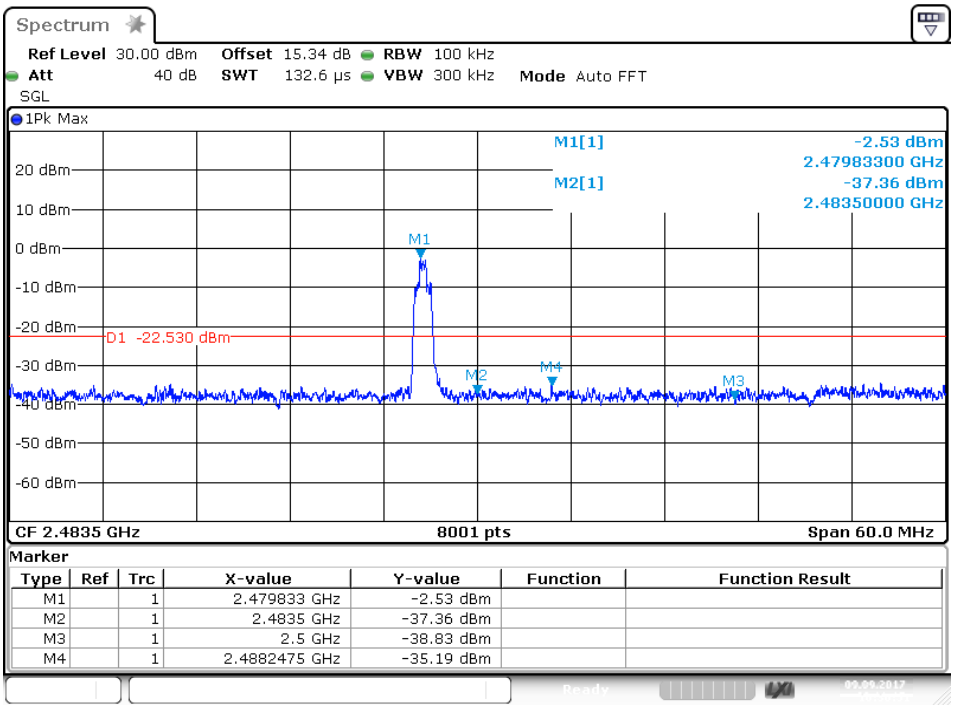
GFSK


Spectrum
Ref Level 30.00 dBm Offset 15.32 dB RBW 100 kHz
Att 40 dB SWT 132.6 µs VBW 300 kHz Mode Auto FFT
SGL
1Pk Max
M1[1] -3.67 dBm
2.40183730 GHz
M2[1] -38.35 dBm
2.40000000 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
D1 -23.670 dBm
M1
M2
M3
M4
CF 2.4 GHz
8001 pts
Span 60.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.4018373 GHz -3.67 dBm
M2 1 2.4 GHz -38.35 dBm
M3 1 2.39 GHz -38.50 dBm
M4 1 2.3836275 GHz -34.87 dBm

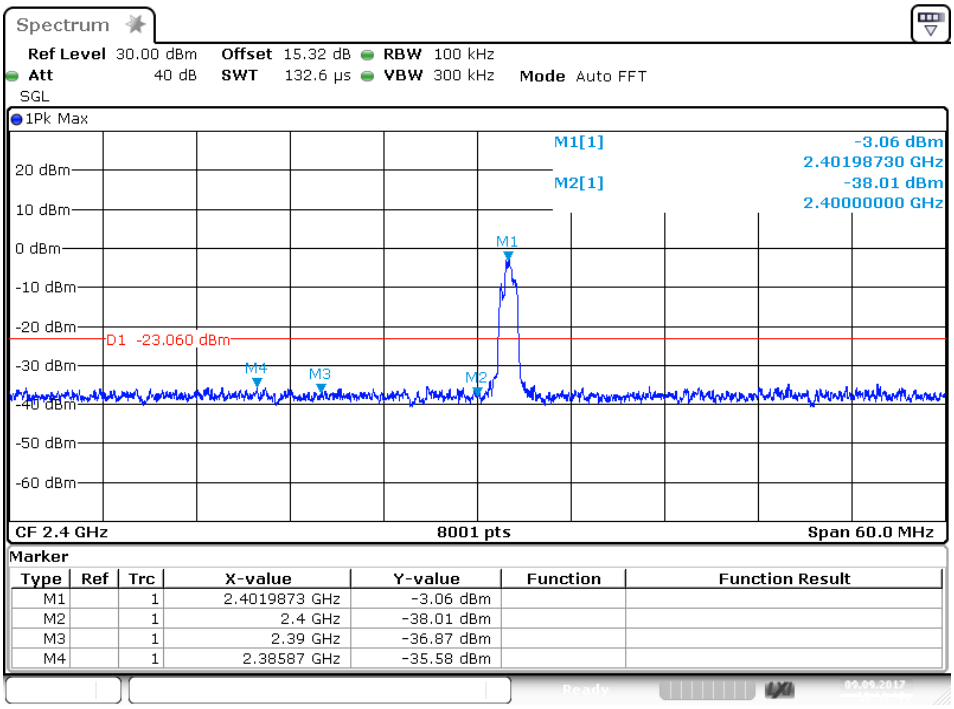

Spectrum
Ref Level 30.00 dBm Offset 15.34 dB RBW 100 kHz
Att 40 dB SWT 132.6 µs VBW 300 kHz Mode Auto FFT
SGL
1Pk Max
M1[1] -3.63 dBm
2.47983300 GHz
M2[1] -37.62 dBm
2.48350000 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
D1 -23.630 dBm
M1
M2
M3
M4
CF 2.4835 GHz
8001 pts
Span 60.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.479833 GHz -3.63 dBm
M2 1 2.4835 GHz -37.62 dBm
M3 1 2.5 GHz -37.64 dBm
M4 1 2.4862975 GHz -34.68 dBm

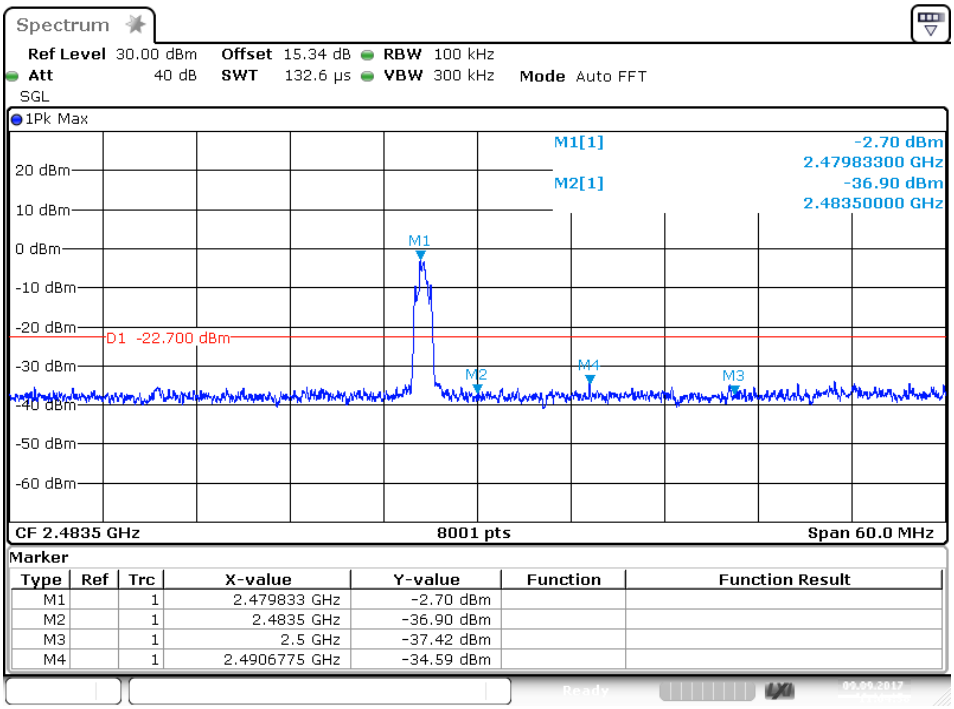
Π/4-DQPSK Mode





8DPSK


Spectrum
Ref Level 30.00 dBm Offset 15.32 dB RBW 100 kHz
Att 40 dB SWT 132.6 µs VBW 300 kHz Mode Auto FFT
SGL
1Pk Max
M1[1] -3.06 dBm
2.40198730 GHz
M2[1] -38.01 dBm
2.40000000 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
D1 -23.060 dBm
M1
M2
M3
M4
CF 2.4 GHz
8001 pts
Span 60.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.4019873 GHz -3.06 dBm
M2 1 2.4 GHz -38.01 dBm
M3 1 2.39 GHz -36.87 dBm
M4 1 2.38587 GHz -35.58 dBm


Spectrum
Ref Level 30.00 dBm Offset 15.34 dB RBW 100 kHz
Att 40 dB SWT 132.6 µs VBW 300 kHz Mode Auto FFT
SGL
1Pk Max
M1[1] -2.70 dBm
2.47983300 GHz
M2[1] -36.90 dBm
2.48350000 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
D1 -22.700 dBm
M1
M2
M3
M4
CF 2.4835 GHz
8001 pts
Span 60.0 MHz
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 2.479833 GHz -2.70 dBm
M2 1 2.4835 GHz -36.90 dBm
M3 1 2.5 GHz -37.42 dBm
M4 1 2.4906775 GHz -34.59 dBm

Radiated Band Edge Result

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Test Procedure:

The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

Let the EUT work in TX (Hopping off, Hopping on) modes measure it.
We select 2402MHz, 2480MHz TX frequency to transmit(Hopping off mode).
We select 2402-2480MHz TX frequency to transmit(Hopping on mode).

During the radiated emission test, the spectrum analyzer was set with the following configurations:
1.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
2.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
3.All modes of operation were investigated and the worst-case emissions are reported.

Non-hopping mode

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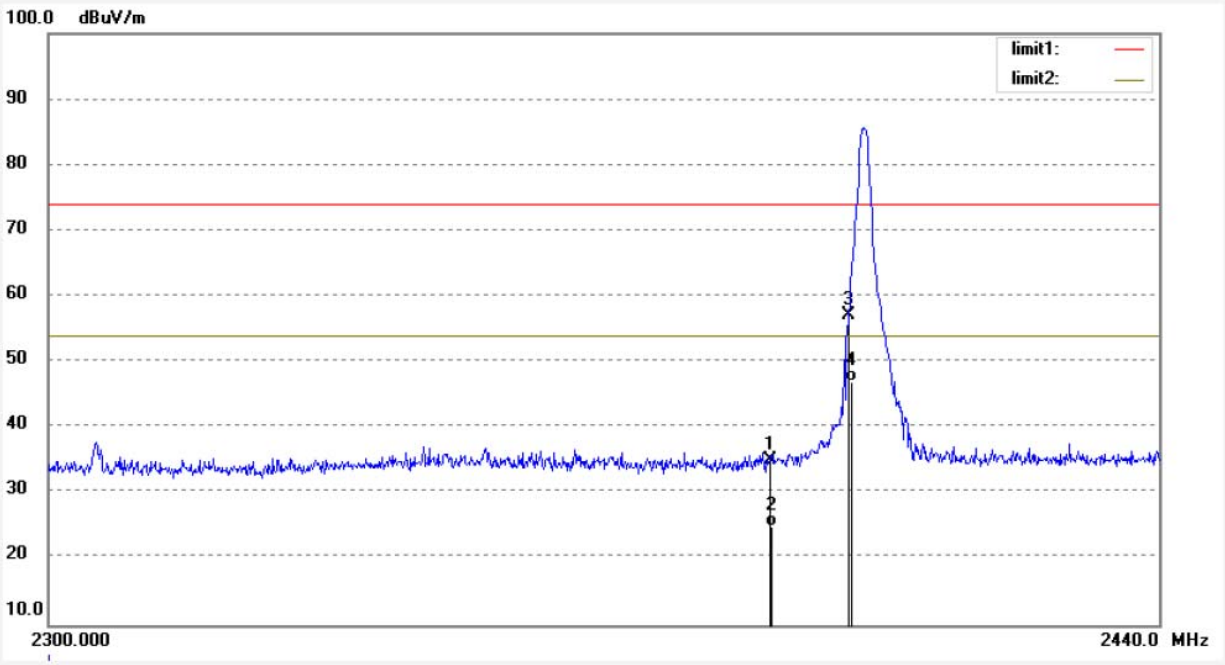
Job No.: DING1 #864	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/42/04
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: TX 2402MHz(GFSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	40.93	-5.89	35.04	74.00	-38.96	peak	150	21	
2	2390.000	30.93	-5.89	25.04	54.00	-28.96	AVG	150	21	
3	2400.000	62.97	-5.80	57.17	74.00	-16.83	peak	150	113	
4	2400.000	52.87	-5.80	47.07	54.00	-6.93	AVG	150	113	

Note: Average measurement with peak detection at No.2&4

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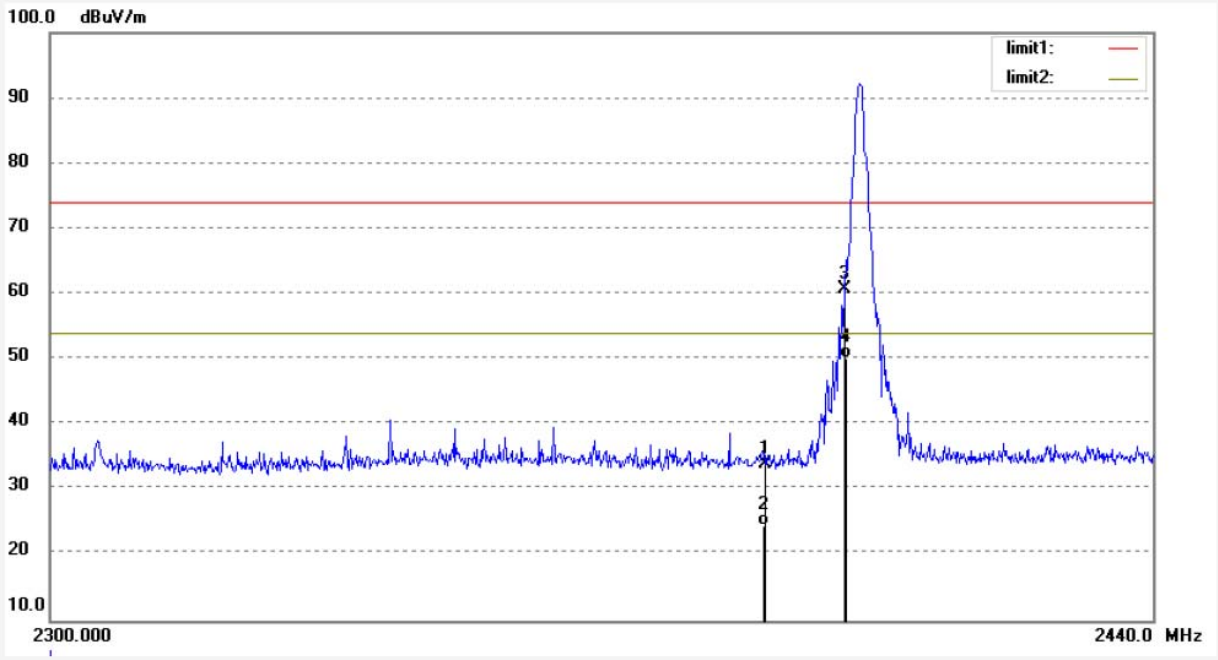
Job No.: DING1 #863
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2402MHz(GFSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/39/33
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	39.87	-5.89	33.98	74.00	-40.02	peak	150	220	
2	2390.000	30.46	-5.89	24.57	54.00	-29.43	AVG	150	220	
3	2400.000	66.62	-5.80	60.82	74.00	-13.18	peak	150	146	
4	2400.000	56.01	-5.80	50.21	54.00	-3.79	AVG	150	146	

Note: Average measurement with peak detection at No.2&4

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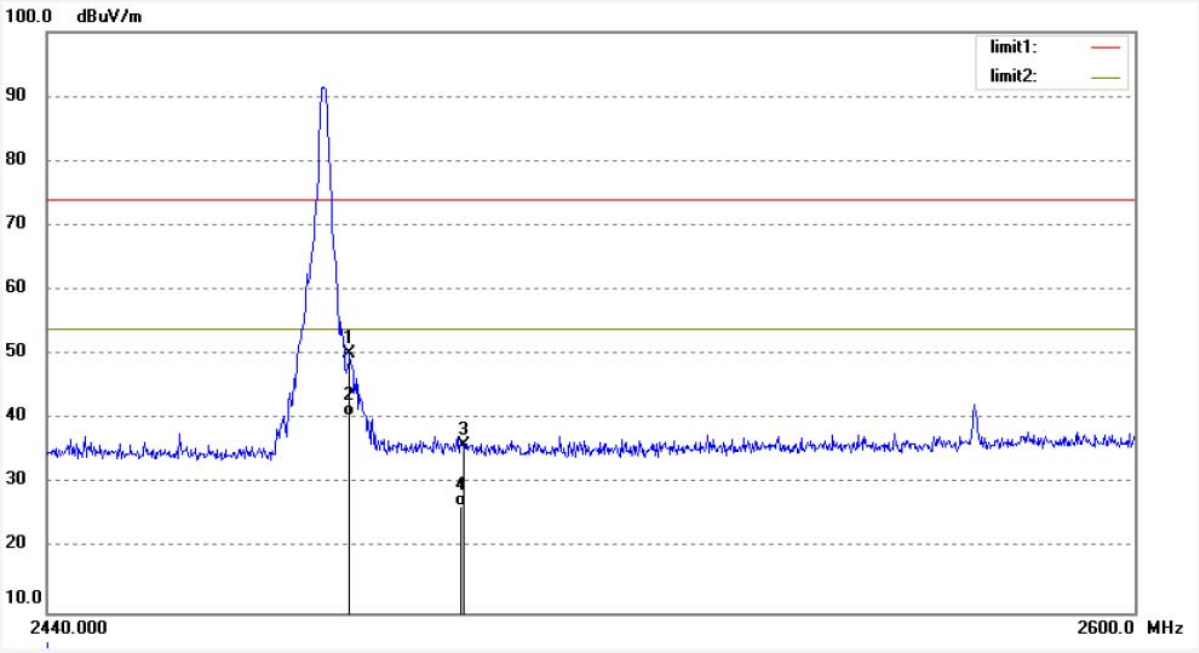
Job No.: DING1 #862
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2480MHz(GFSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/36/27
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.73	-5.51	50.22	74.00	-23.78	peak	150	223	
2	2483.500	45.91	-5.51	40.40	54.00	-13.60	AVG	150	222	
3	2500.000	41.48	-5.50	35.98	74.00	-38.02	peak	150	354	
4	2500.000	32.03	-5.50	26.53	54.00	-27.47	AVG	150	354	

Note: Average measurement with peak detection at No.2&4

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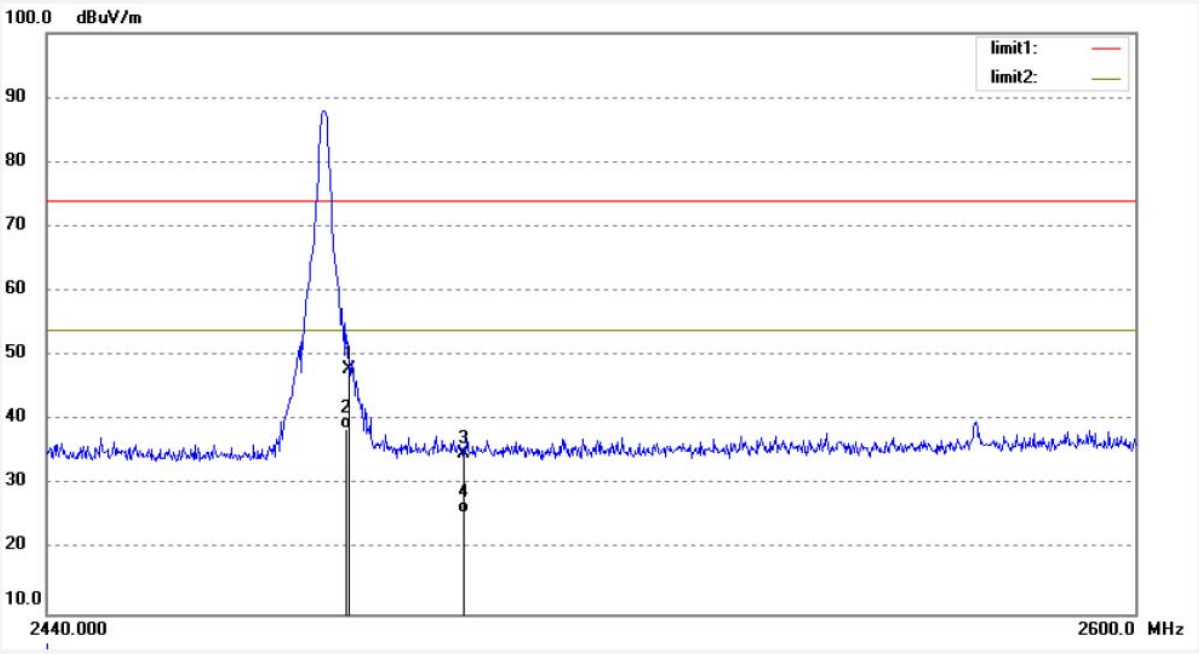
Job No.: DING1 #861
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2480MHz(GFSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/33/55
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	53.42	-5.51	47.91	74.00	-26.09	peak	150	46	
2	2483.500	44.15	-5.51	38.64	54.00	-15.36	AVG	150	46	
3	2500.000	40.35	-5.50	34.85	74.00	-39.15	peak	150	111	
4	2500.000	31.22	-5.50	25.72	54.00	-28.28	AVG	150	111	

Note: Average measurement with peak detection at No.2&4

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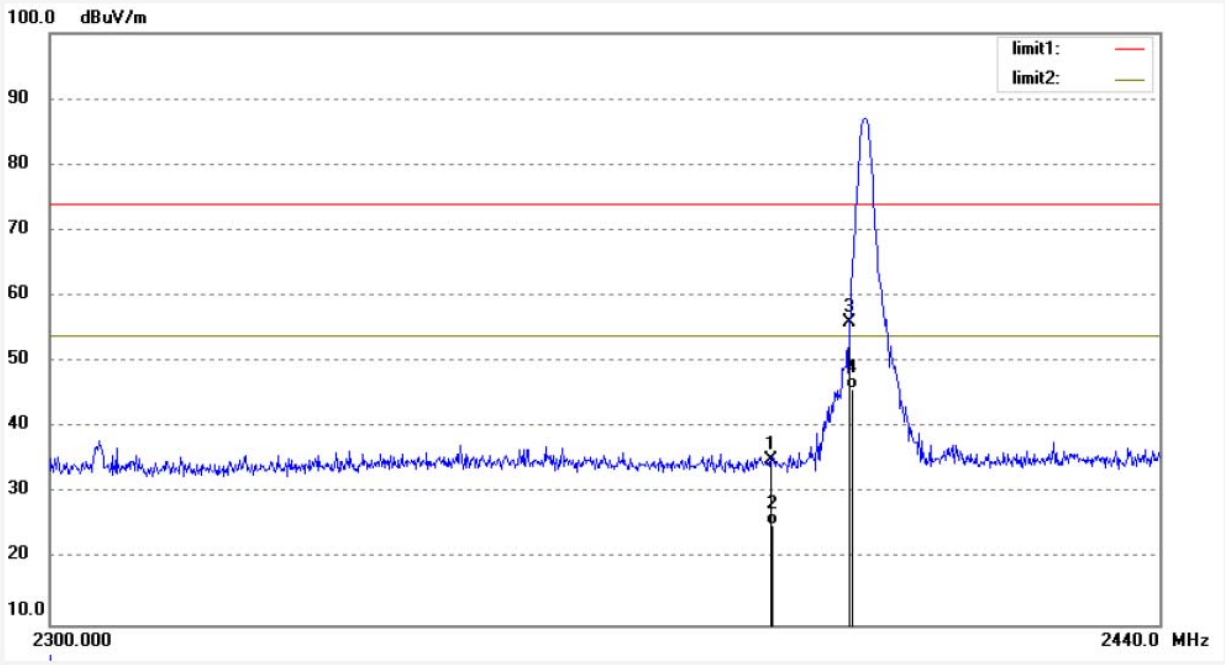
Job No.: DING1 #857
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2402MHz(π/4 DQPSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/23/37
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	41.05	-5.89	35.16	74.00	-38.84	peak	150	246	
2	2390.000	31.06	-5.89	25.17	54.00	-28.83	AVG	150	246	
3	2400.000	61.86	-5.80	56.06	74.00	-17.94	peak	150	21	
4	2400.000	51.73	-5.80	45.93	54.00	-8.07	AVG	150	21	

Note: Average measurement with peak detection at No.2&4

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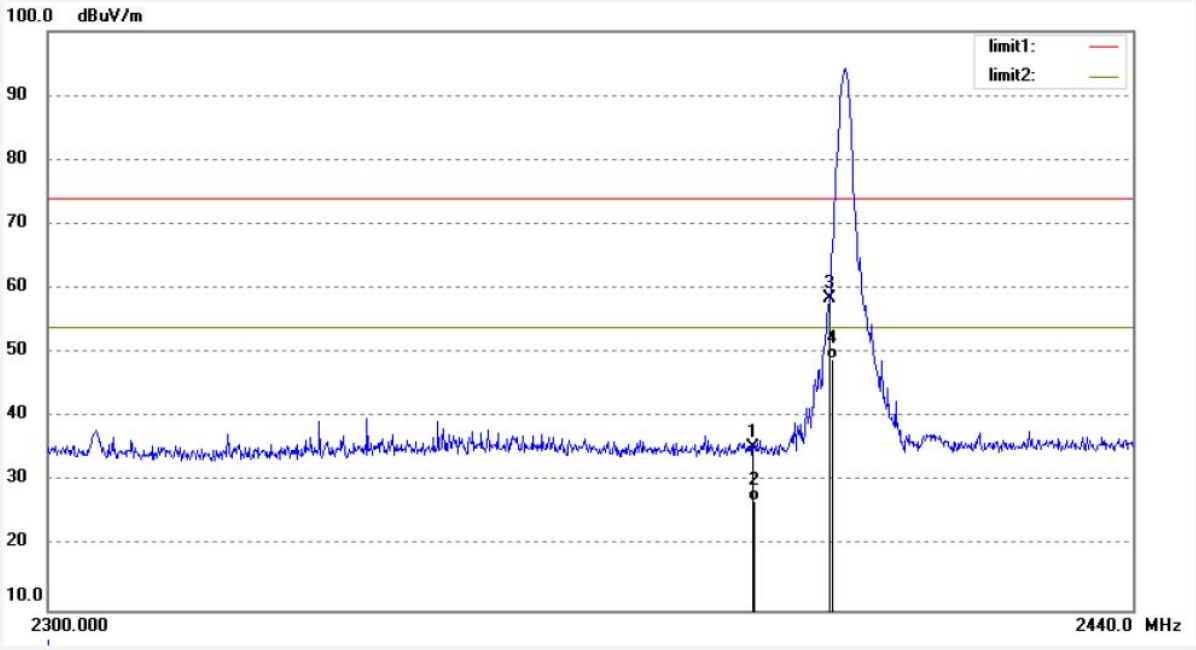
Job No.: DING1 #858
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2402MHz(π/4 DQPSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/25/22
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	41.23	-5.89	35.34	74.00	-38.66	peak	150	222	
2	2390.000	32.79	-5.89	26.90	54.00	-27.10	AVG	150	222	
3	2400.000	64.36	-5.80	58.56	74.00	-15.44	peak	150	147	
4	2400.000	54.82	-5.80	49.02	54.00	-4.98	AVG	150	147	

Note: Average measurement with peak detection at No.2&4

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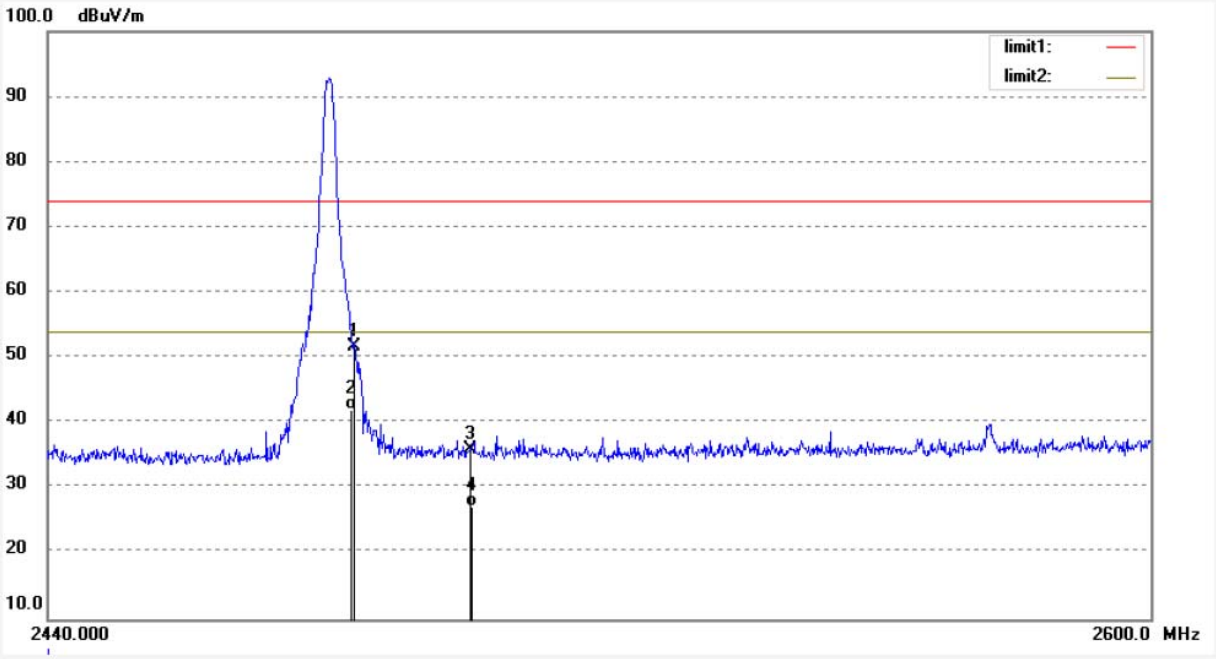
Job No.: DING1 #859	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/28/49
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: TX 2480MHz(π/4 DQPSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	57.34	-5.51	51.83	74.00	-22.17	peak	150	101	
2	2483.500	47.62	-5.51	42.11	54.00	-11.89	AVG	150	101	
3	2500.000	41.56	-5.50	36.06	74.00	-37.94	peak	150	225	
4	2500.000	32.74	-5.50	27.24	54.00	-26.76	AVG	150	225	

Note: Average measurement with peak detection at No.2&4

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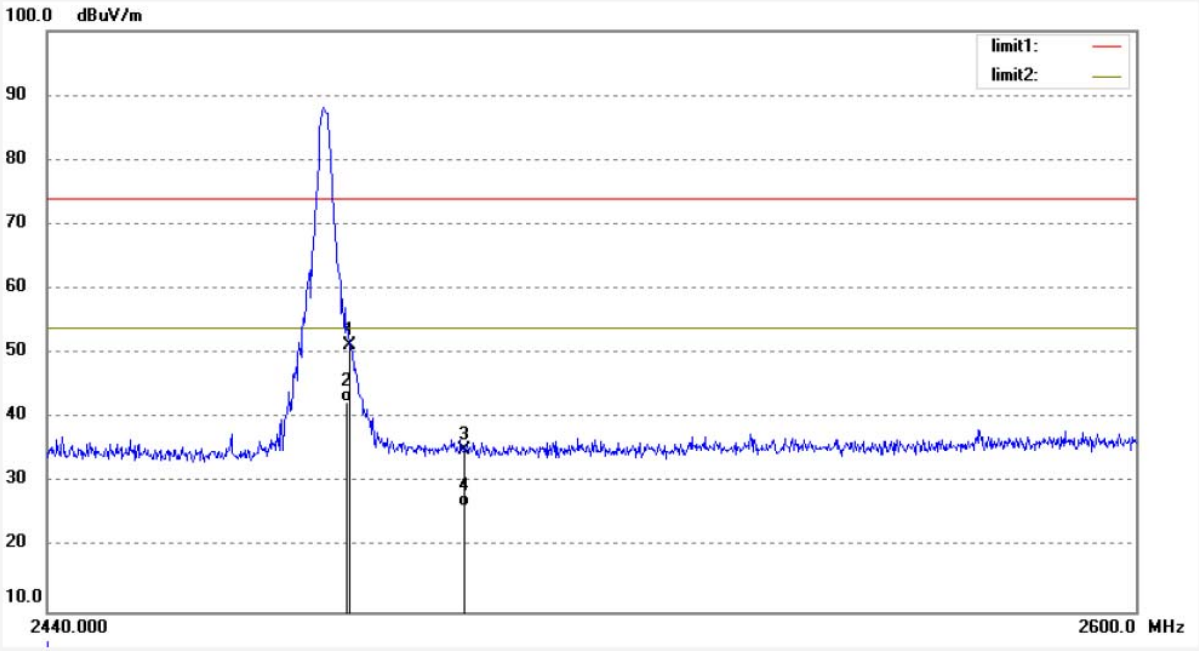
Job No.: DING1 #860	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/30/35
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: TX 2480MHz(π/4 DQPSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	56.89	-5.51	51.38	74.00	-22.62	peak	150	147	
2	2483.500	47.95	-5.51	42.44	54.00	-11.56	AVG	150	147	
3	2500.000	40.51	-5.50	35.01	74.00	-38.99	peak	150	321	
4	2500.000	31.79	-5.50	26.29	54.00	-27.71	AVG	150	321	

Note: Average measurement with peak detection at No.2&4

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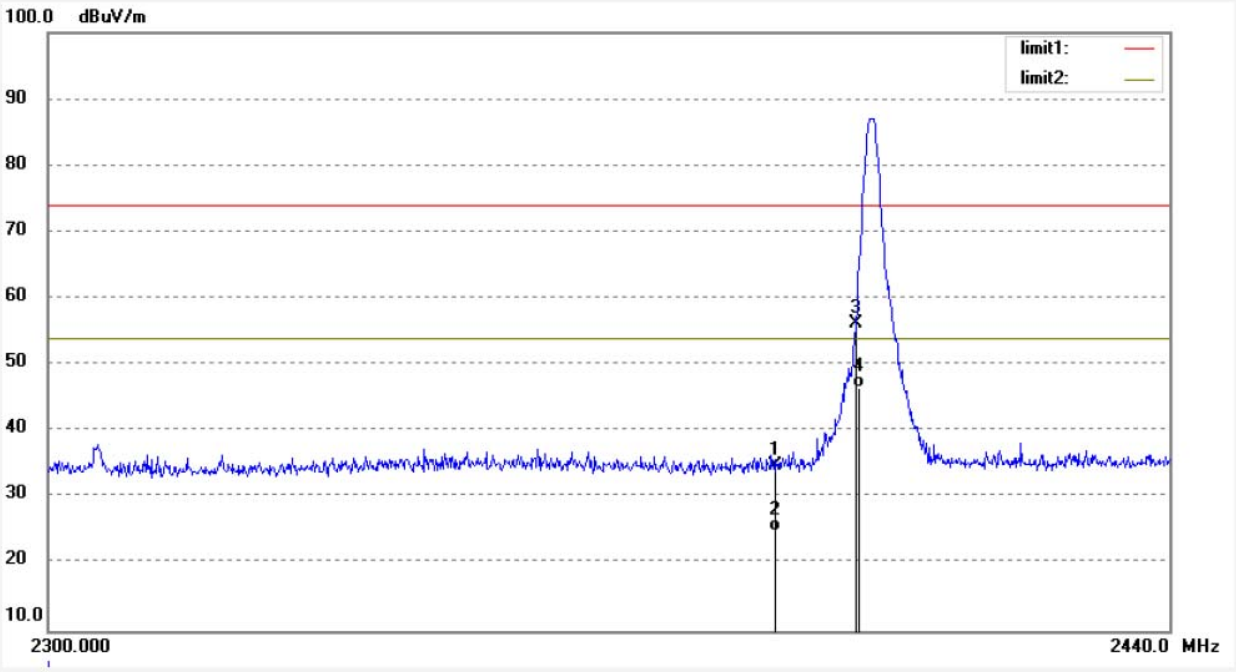
Job No.: DING1 #856	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/19/56
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: TX 2402MHz(8DPSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	40.69	-5.89	34.80	74.00	-39.20	peak	150	102	
2	2390.000	30.95	-5.89	25.06	54.00	-28.94	AVG	150	102	
3	2400.000	62.06	-5.80	56.26	74.00	-17.74	peak	150	331	
4	2400.000	52.34	-5.80	46.54	54.00	-7.46	AVG	150	331	

Note: Average measurement with peak detection at No.2&4

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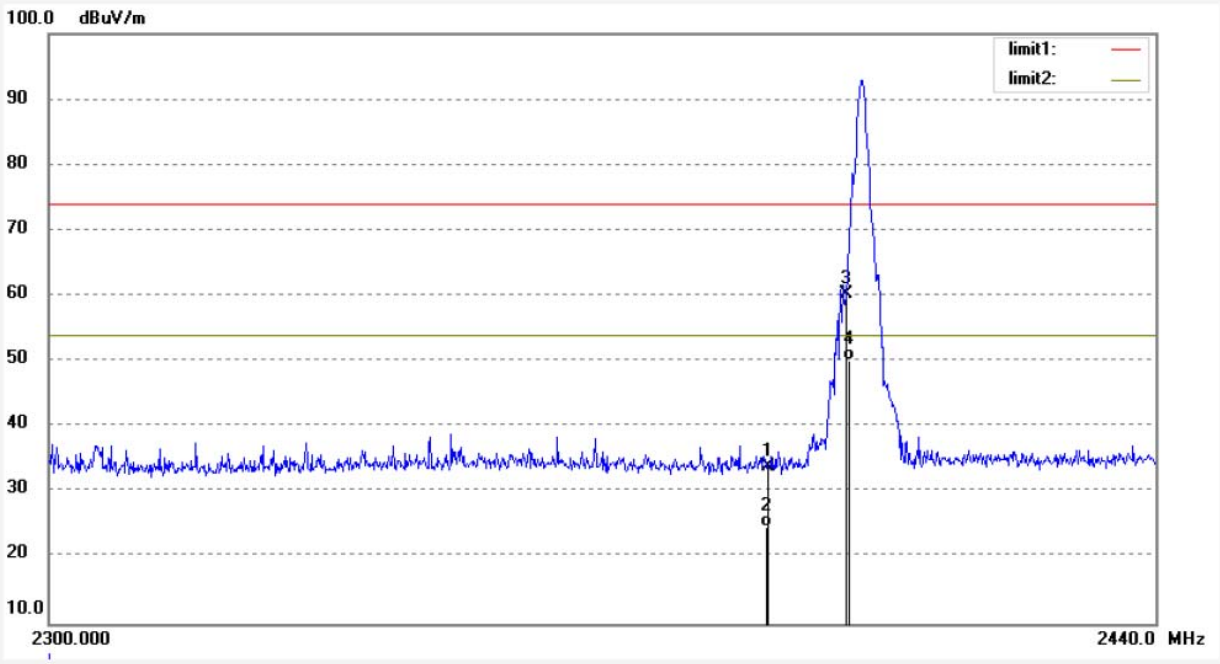
Job No.: DING1 #855	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/17/10
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: TX 2402MHz(8DPSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	39.95	-5.89	34.06	74.00	-39.94	peak	150	331	
2	2390.000	30.64	-5.89	24.75	54.00	-29.25	AVG	150	331	
3	2400.000	66.04	-5.80	60.24	74.00	-13.76	peak	150	240	
4	2400.000	56.02	-5.80	50.22	54.00	-3.78	AVG	150	240	

Note: Average measurement with peak detection at No.2&4

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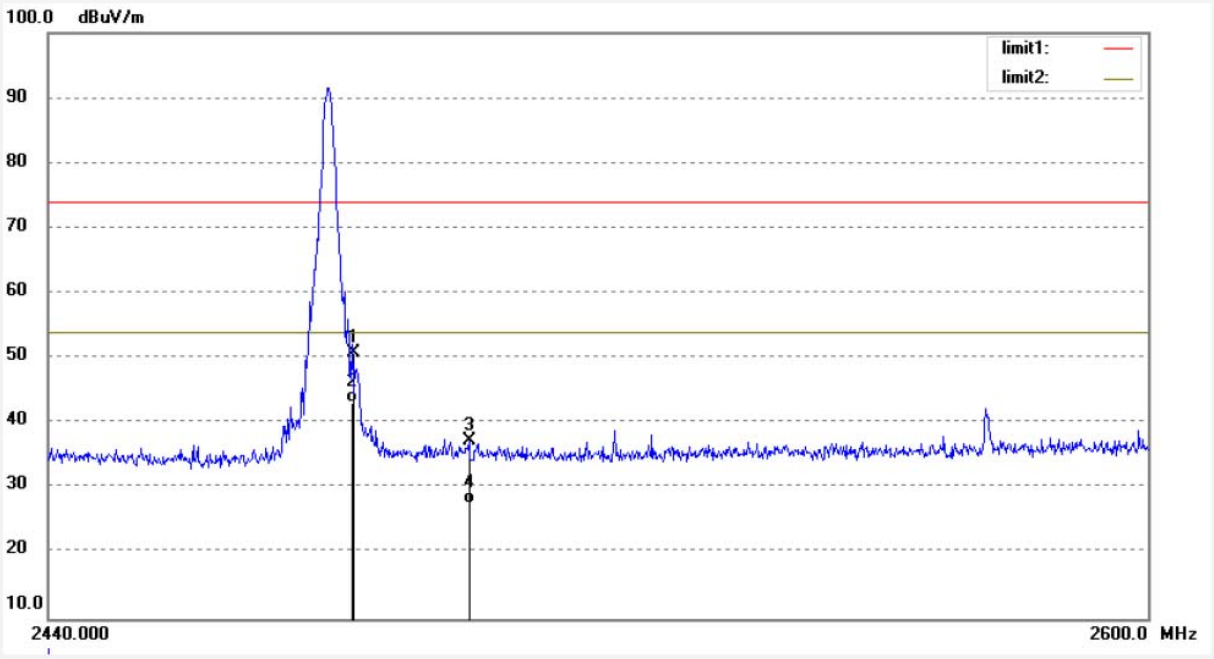
Job No.: DING1 #854
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2480MHz(8DPSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/14/21
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	56.31	-5.51	50.80	74.00	-23.20	peak	150	116	
2	2483.500	48.72	-5.51	43.21	54.00	-10.79	AVG	150	116	
3	2500.000	42.85	-5.50	37.35	74.00	-36.65	peak	150	147	
4	2500.000	33.16	-5.50	27.66	54.00	-26.34	AVG	150	147	

Note: Average measurement with peak detection at No.2&4

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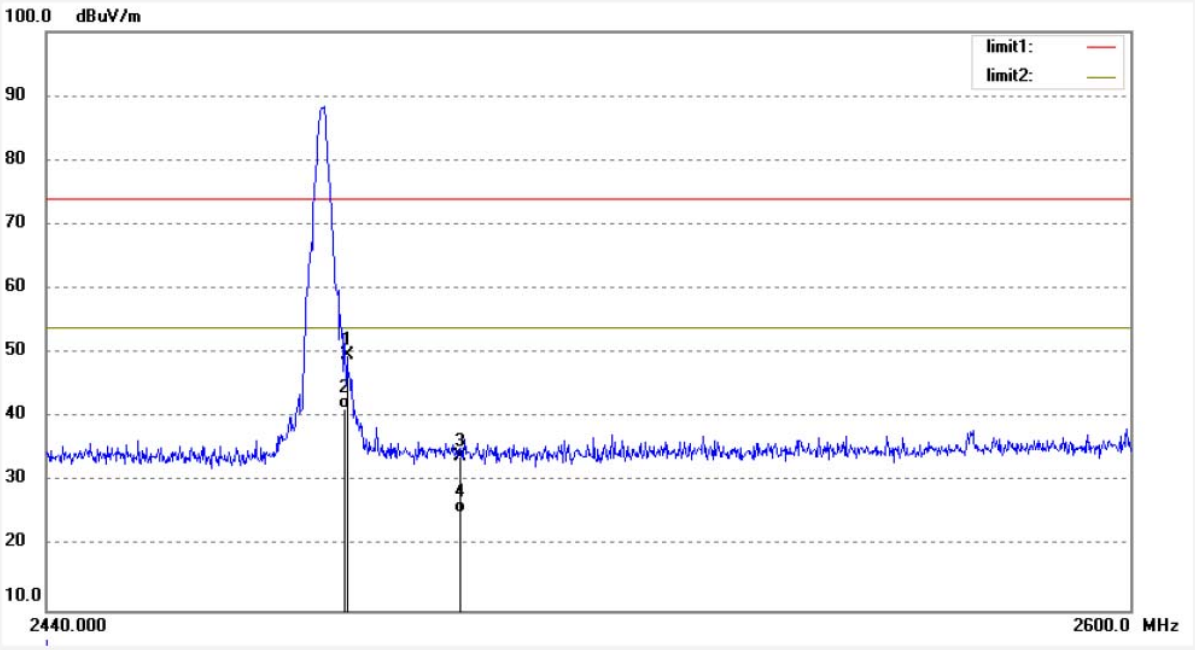
Job No.: DING1 #853
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: TX 2480MHz(8DPSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/12/12
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	55.29	-5.51	49.78	74.00	-24.22	peak	150	231	
2	2483.500	46.83	-5.51	41.32	54.00	-12.68	AVG	150	231	
3	2500.000	39.41	-5.50	33.91	74.00	-40.09	peak	150	134	
4	2500.000	30.67	-5.50	25.17	54.00	-28.83	AVG	150	134	

Note: Average measurement with peak detection at No.2&4

Hopping mode

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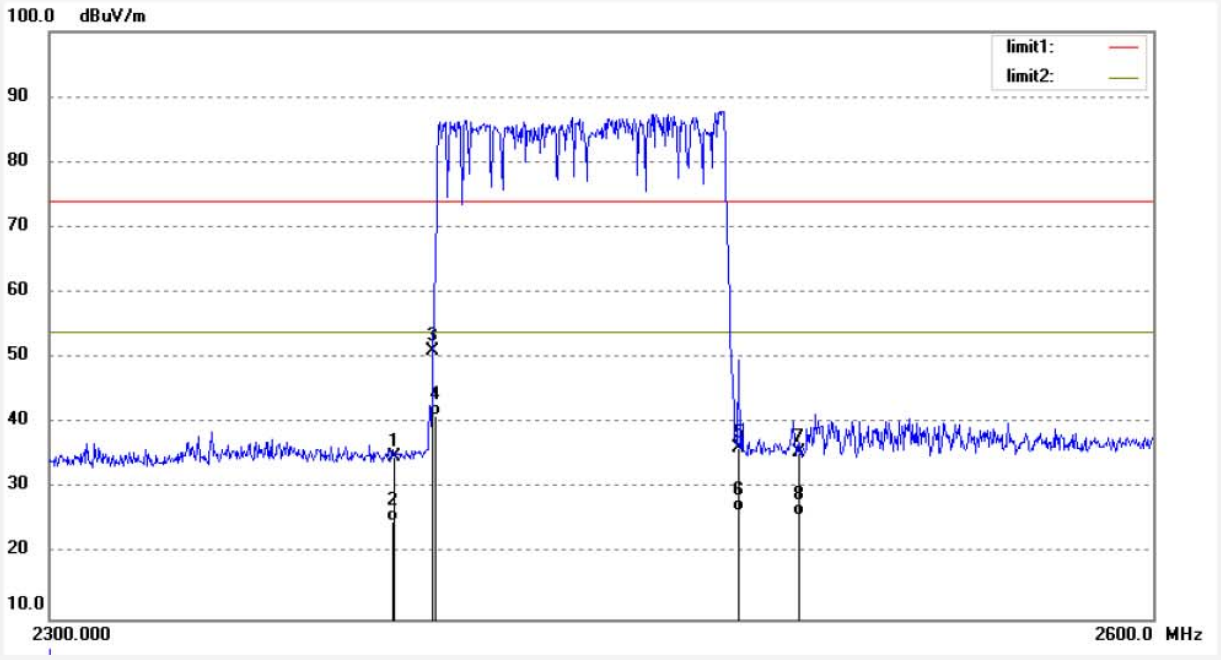
Job No.: DING1 #865	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/48/30
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: HOPPING(GFSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	40.83	-5.89	34.94	74.00	-39.06	peak	150	231	
2	2390.000	30.85	-5.89	24.96	54.00	-29.04	AVG	150	231	
3	2400.000	56.88	-5.80	51.08	74.00	-22.92	peak	150	146	
4	2400.000	46.91	-5.80	41.11	54.00	-12.89	AVG	150	146	
5	2483.500	41.74	-5.51	36.23	74.00	-37.77	peak	150	37	
6	2483.500	32.03	-5.51	26.52	54.00	-27.48	AVG	150	37	
7	2500.000	40.99	-5.50	35.49	74.00	-38.51	peak	150	269	
8	2500.000	31.42	-5.50	25.92	54.00	-28.08	AVG	150	269	

Note: Average measurement with peak detection at No.2&4&6&8

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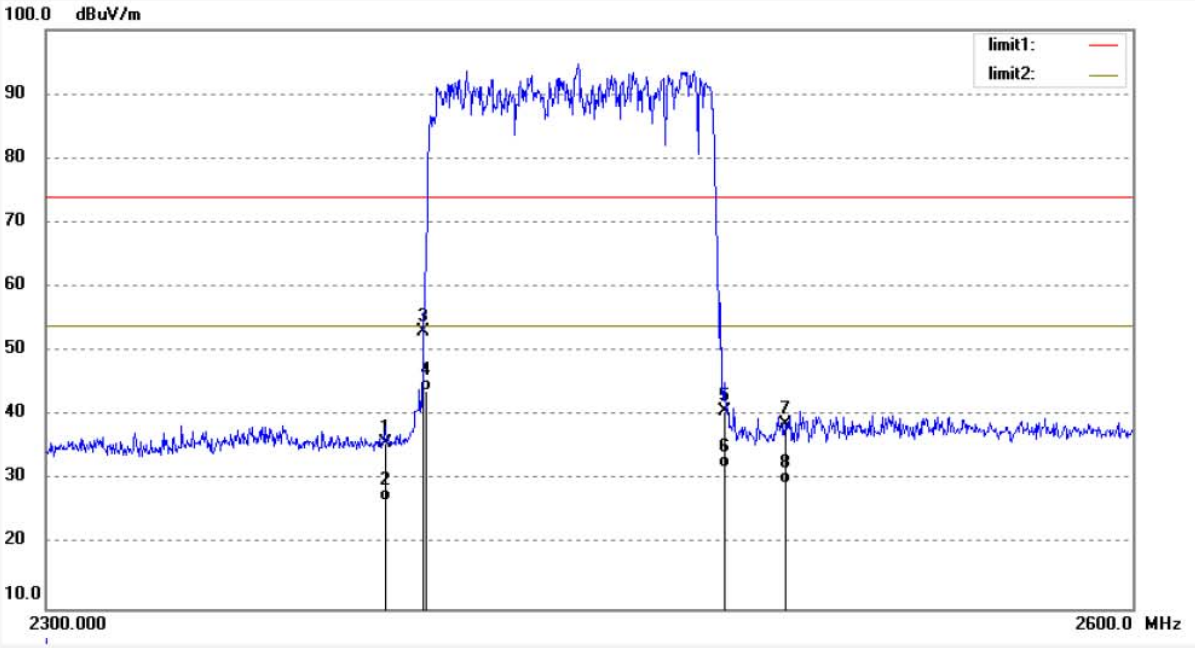
Job No.: DING1 #866
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: HOPPING(GFSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/51/54
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	41.58	-5.89	35.69	74.00	-38.31	peak	150	115	
2	2390.000	32.75	-5.89	26.86	54.00	-27.14	AVG	150	115	
3	2400.000	58.85	-5.80	53.05	74.00	-20.95	peak	150	261	
4	2400.000	49.61	-5.80	43.81	54.00	-10.19	AVG	150	261	
5	2483.500	46.24	-5.51	40.73	74.00	-33.27	peak	150	222	
6	2483.500	37.43	-5.51	31.92	54.00	-22.08	AVG	150	222	
7	2500.000	44.27	-5.50	38.77	74.00	-35.23	peak	150	241	
8	2500.000	34.86	-5.50	29.36	54.00	-24.64	AVG	150	241	

Note: Average measurement with peak detection at No.2&4&6&8

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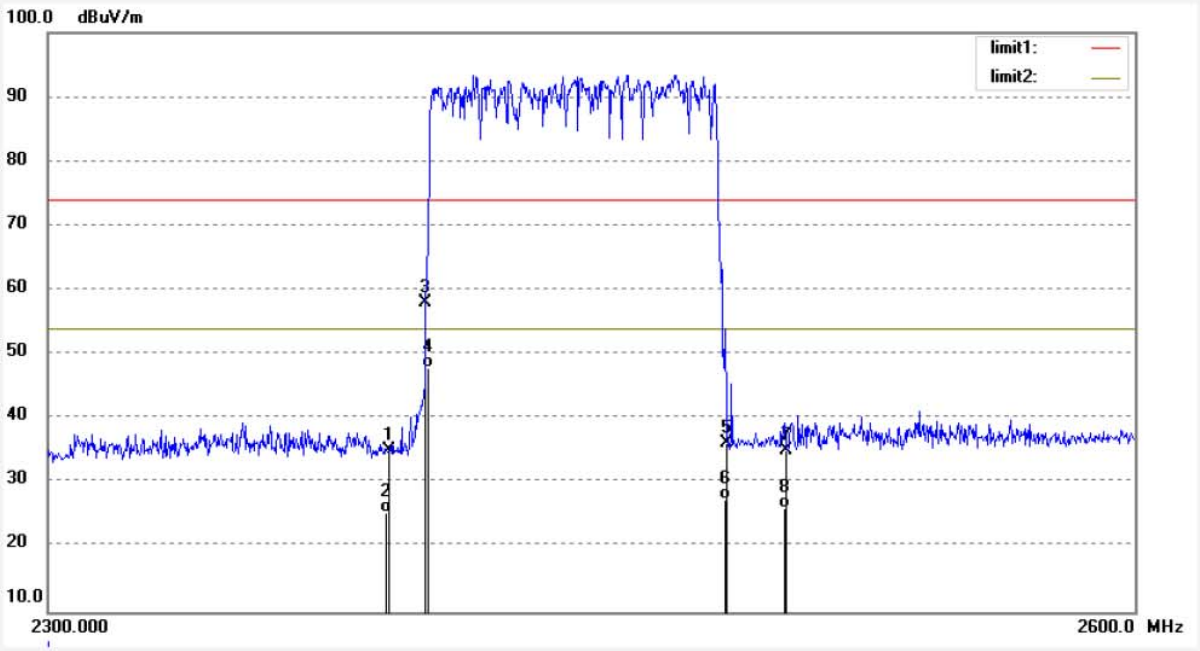
Job No.: DING1 #867
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: HOPPING(π/4 DQPSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 13/56/24
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	40.92	-5.89	35.03	74.00	-38.97	peak	150	111	
2	2390.000	31.25	-5.89	25.36	54.00	-28.64	AVG	150	111	
3	2400.000	63.94	-5.80	58.14	74.00	-15.86	peak	150	107	
4	2400.000	53.76	-5.80	47.96	54.00	-6.04	AVG	150	107	
5	2483.500	41.73	-5.51	36.22	74.00	-37.78	peak	150	222	
6	2483.500	32.87	-5.51	27.36	54.00	-26.64	AVG	150	222	
7	2500.000	40.67	-5.50	35.17	74.00	-38.83	peak	150	336	
8	2500.000	31.56	-5.50	26.06	54.00	-27.94	AVG	150	336	

Note: Average measurement with peak detection at No.2&4&6&8

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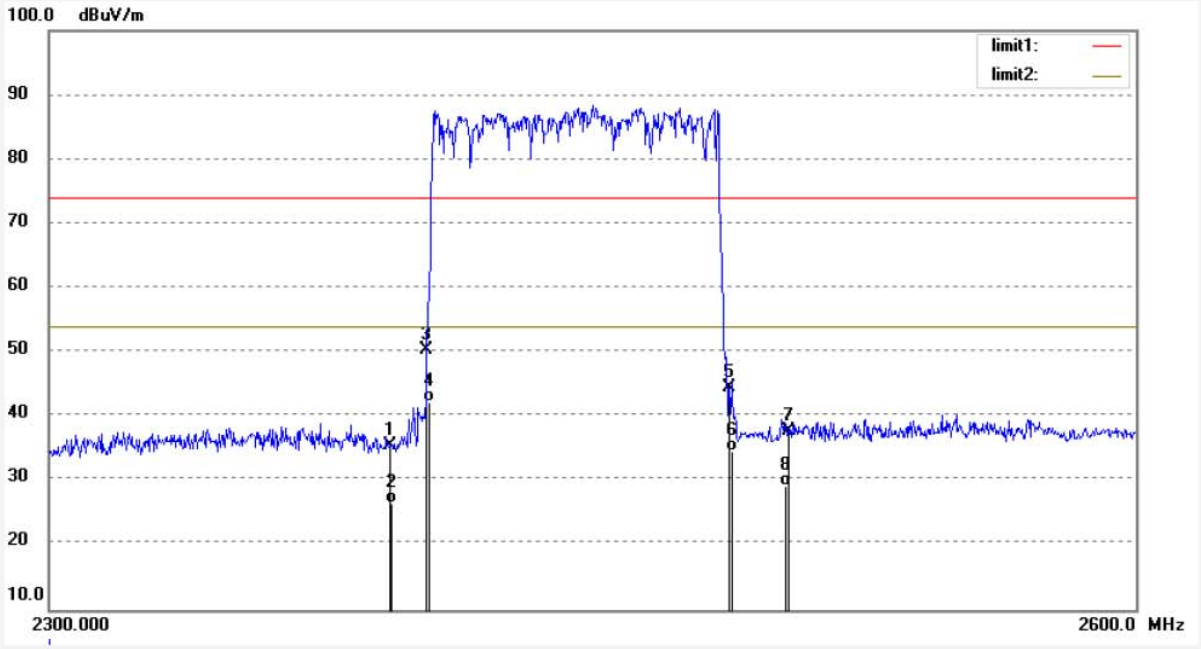
Job No.: DING1 #868
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Stereo Turntable System
Mode: HOPPING(π/4 DQPSK)
Model: T150A-CG
Manufacturer: TIMSEN

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 17/09/12/
Time: 14/06/08
Engineer Signature: DING
Distance: 3m

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	41.49	-5.89	35.60	74.00	-38.40	peak	150	157	
2	2390.000	32.46	-5.89	26.57	54.00	-27.43	AVG	150	157	
3	2400.000	56.27	-5.80	50.47	74.00	-23.53	peak	150	133	
4	2400.000	48.17	-5.80	42.37	54.00	-11.63	AVG	150	133	
5	2483.500	49.96	-5.51	44.45	74.00	-29.55	peak	150	222	
6	2483.500	40.22	-5.51	34.71	54.00	-19.29	AVG	150	222	
7	2500.000	43.30	-5.50	37.80	74.00	-36.20	peak	150	332	
8	2500.000	34.64	-5.50	29.14	54.00	-24.86	AVG	150	332	

Note: Average measurement with peak detection at No.2&4&6&8

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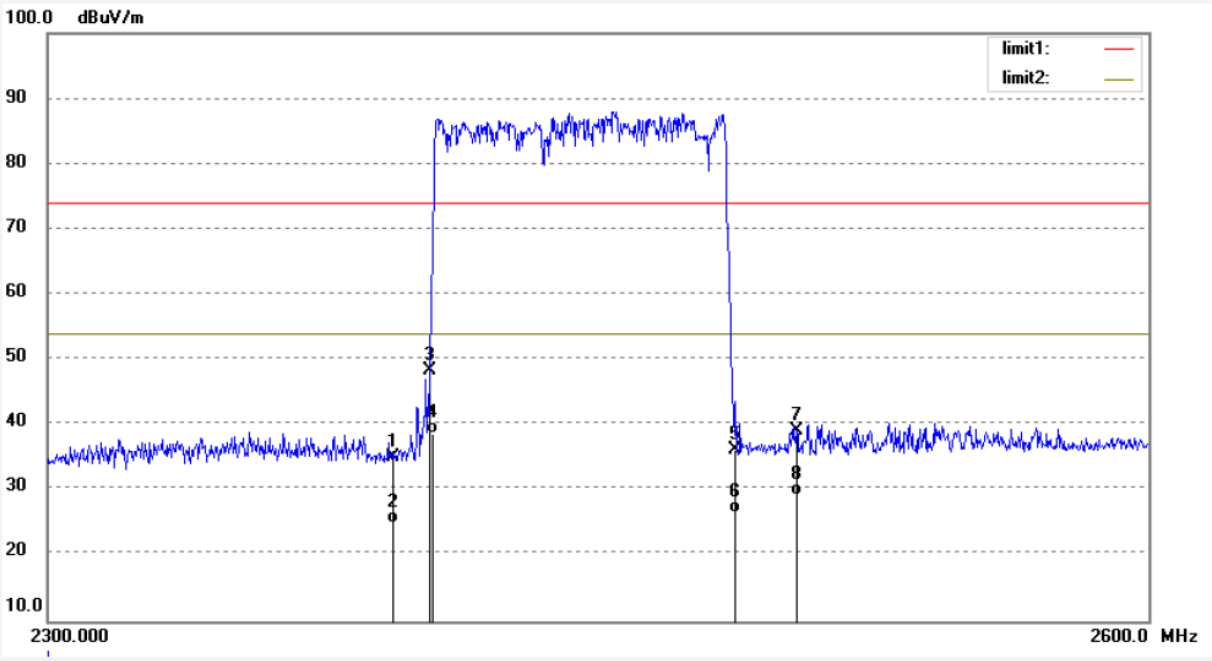
Job No.: DING1 #869	Polarization: Horizontal
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14/13/06
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: HOPPING(8DPSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	40.95	-5.89	35.06	74.00	-38.94	peak	150	111	
2	2390.000	30.84	-5.89	24.95	54.00	-29.05	AVG	150	111	
3	2400.000	54.09	-5.80	48.29	74.00	-25.71	peak	150	211	
4	2400.000	44.56	-5.80	38.76	54.00	-15.24	AVG	150	211	
5	2483.500	41.82	-5.51	36.31	74.00	-37.69	peak	150	146	
6	2483.500	32.01	-5.51	26.50	54.00	-27.50	AVG	150	146	
7	2500.000	44.71	-5.50	39.21	74.00	-34.79	peak	150	232	
8	2500.000	34.83	-5.50	29.33	54.00	-24.67	AVG	150	232	

Note: Average measurement with peak detection at No.2&4&6&8

ACCURATE TECHNOLOGY CO., LTD.
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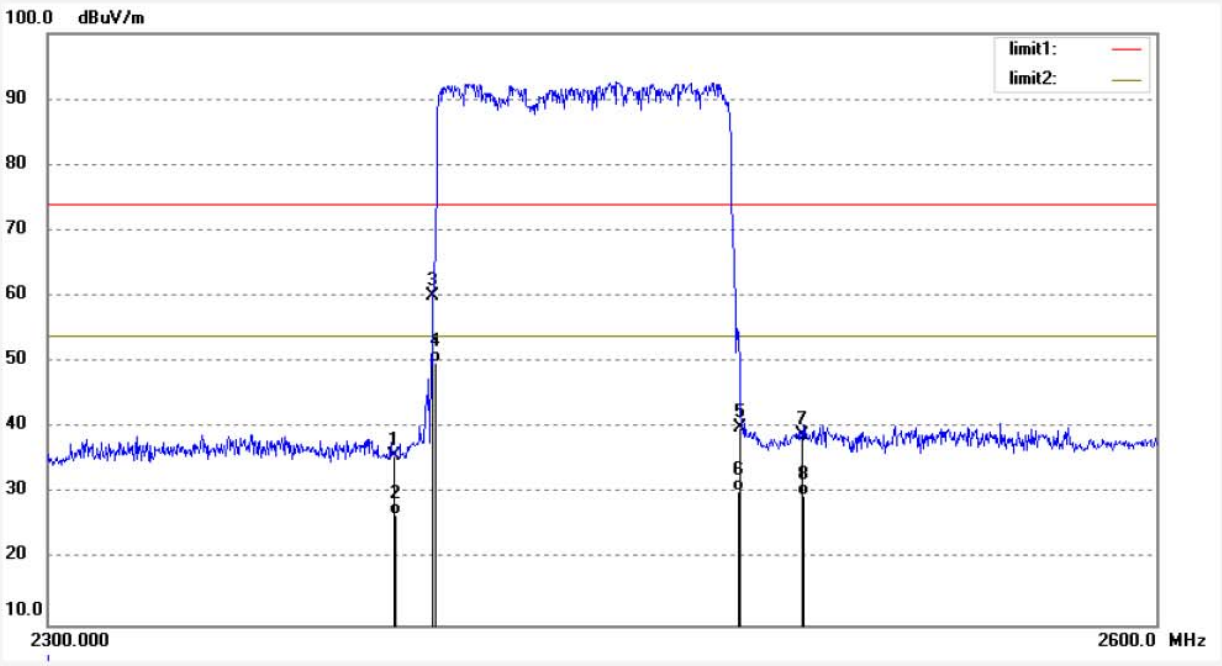
Job No.: DING1 #870	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 17/09/12/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 14/22/17
EUT: Stereo Turntable System	Engineer Signature: DING
Mode: HOPPING(8DPSK)	Distance: 3m
Model: T150A-CG	
Manufacturer: TIMSEN	

Note: Report NO.:ATE20171878



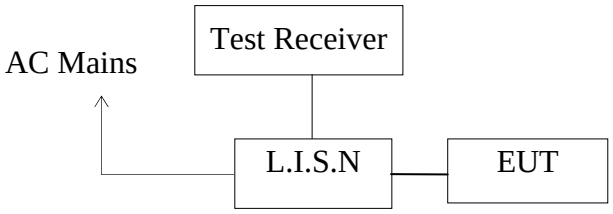
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2390.000	41.75	-5.89	35.86	74.00	-38.14	peak	150	211	
2	2390.000	32.74	-5.89	26.85	54.00	-27.15	AVG	150	211	
3	2400.000	65.77	-5.80	59.97	74.00	-14.03	peak	150	321	
4	2400.000	55.69	-5.80	49.89	54.00	-4.11	AVG	150	321	
5	2483.500	45.45	-5.51	39.94	74.00	-34.06	peak	150	222	
6	2483.500	35.98	-5.51	30.47	54.00	-23.53	AVG	150	222	
7	2500.000	44.33	-5.50	38.83	74.00	-35.17	peak	150	136	
8	2500.000	35.27	-5.50	29.77	54.00	-24.23	AVG	150	136	

Note: Average measurement with peak detection at No.2&4&6&8

12. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

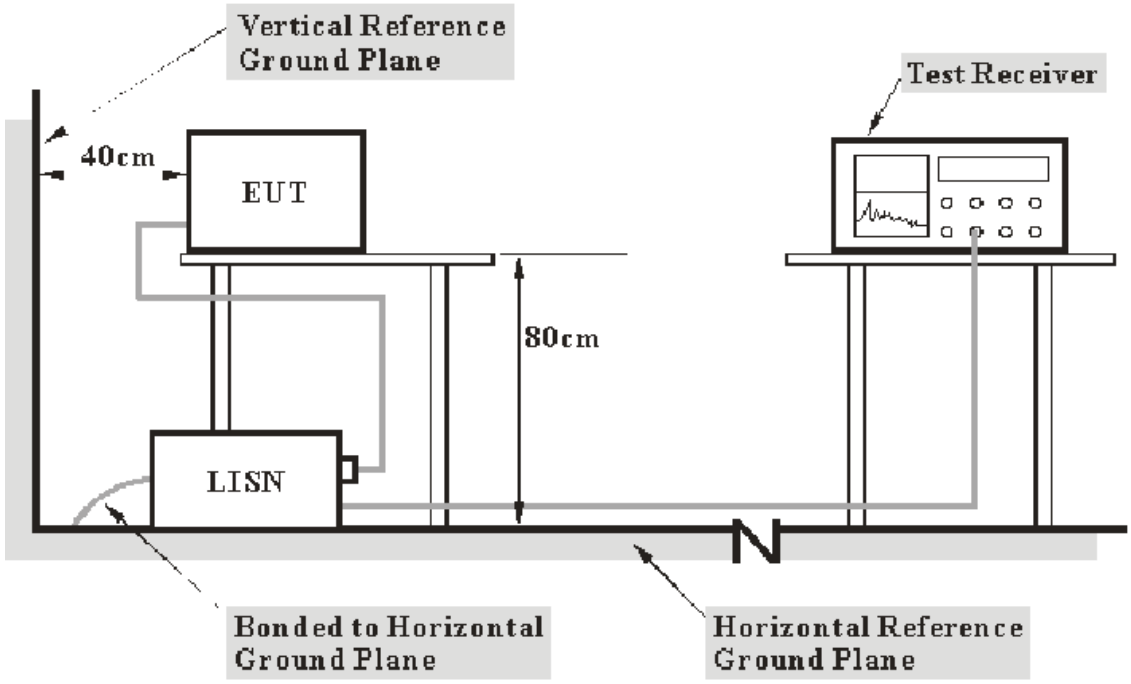
12.1. Block Diagram of Test Setup

12.1.1. Block diagram of connection between the EUT and simulators



(EUT: Stereo Turntable System)

12.1.2. Test System Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

12.2.Power Line Conducted Emission Measurement Limits

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0
NOTE1: The lower limit shall apply at the transition frequencies. NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.		

12.3.Configuration of EUT on Measurement

The equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

12.4.Operating Condition of EUT

12.4.1.Setup the EUT and simulator as shown as Section 12.1.

12.4.2.Turn on the power of all equipment.

12.4.3.Let the EUT work in test mode and measure it.

12.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Measurement.
The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

12.6.Data Sample

Frequency (MHz)	Transducer value (dB)	QuasiPeak Level (dBμV)	Average Level (dBμV)	QuasiPeak Limit (dBμV)	Average Limit (dBμV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
10.51000	11.6	42.60	27.90	60.0	50.0	-17.4	-22.1	Pass

Frequency(MHz) = Emission frequency in MHz
Transducer value(dB) = Insertion loss of LISN + Cable Loss
Level(dBμV) = Quasi-peak Reading/Average Reading + Transducer value
Limit (dBμV) = Limit stated in standard
Margin = Limit (dBμV) - Level (dBμV)

Calculation Formula:
Margin = Limit (dBμV) - Level (dBμV)

12.7.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : BT communicating (AC 120V/60Hz)
EUT mode : T150A-CG
Adapter 1

MEASUREMENT RESULT: "TS-0909-03_fin"

2017-9-9 14:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.256000	41.10	10.9	62	20.5	QP	N	GND
0.382000	44.90	10.9	58	13.3	QP	N	GND
1.150000	34.20	11.2	56	21.8	QP	N	GND
2.150000	32.40	11.3	56	23.6	QP	N	GND
10.510000	42.60	11.6	60	17.4	QP	N	GND
12.930000	33.60	11.6	60	26.4	QP	N	GND

MEASUREMENT RESULT: "TS-0909-03_fin2"

2017-9-9 14:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.254000	31.70	10.9	52	19.9	AV	N	GND
0.384000	38.20	10.9	48	10.0	AV	N	GND
1.136000	28.40	11.2	46	17.6	AV	N	GND
2.135000	25.20	11.3	46	20.8	AV	N	GND
10.510000	27.90	11.6	50	22.1	AV	N	GND
16.960000	24.50	11.7	50	25.5	AV	N	GND

MEASUREMENT RESULT: "TS-0909-02_fin"

2017-9-9 11:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.258000	45.80	10.9	62	15.7	QP	N	GND
0.404000	47.30	11.0	58	10.5	QP	N	GND
1.728000	36.40	11.2	56	19.6	QP	N	GND
2.195000	34.90	11.3	56	21.1	QP	N	GND
9.825000	46.70	11.6	60	13.3	QP	N	GND
17.540000	35.70	11.7	60	24.3	QP	N	GND

MEASUREMENT RESULT: "TS-0909-02_fin2"

2017-9-9 11:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	38.90	10.9	51	12.5	AV	N	GND
0.404000	37.70	11.0	48	10.1	AV	N	GND
1.610000	30.30	11.2	46	15.7	AV	N	GND
2.170000	26.70	11.3	46	19.3	AV	N	GND
9.825000	29.90	11.6	50	20.1	AV	N	GND
17.540000	24.50	11.7	50	25.5	AV	N	GND

Test mode : BT communicating (AC 240V/60Hz)
EUT mode : T150A-CG
Adapter 1

MEASUREMENT RESULT: "TS-0909-01_fin"

2017-9-9 11:29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	36.10	10.8	65	28.9	QP	L1	GND
0.404000	46.60	11.0	58	11.2	QP	L1	GND
1.582000	37.50	11.2	56	18.5	QP	L1	GND
2.175000	35.40	11.3	56	20.6	QP	L1	GND
10.015000	47.00	11.6	60	13.0	QP	L1	GND
17.280000	33.60	11.7	60	26.4	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-01_fin2"

2017-9-9 11:29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.258000	39.90	10.9	52	11.6	AV	L1	GND
0.404000	37.70	11.0	48	10.1	AV	L1	GND
1.656000	30.70	11.2	46	15.3	AV	L1	GND
2.190000	27.50	11.3	46	18.5	AV	L1	GND
9.965000	29.40	11.6	50	20.6	AV	L1	GND
17.280000	23.30	11.7	50	26.7	AV	L1	GND

MEASUREMENT RESULT: "TS-0909-04_fin"

2017-9-9 14:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	39.80	10.9	59	19.0	QP	L1	GND
0.384000	45.80	10.9	58	12.4	QP	L1	GND
1.230000	33.70	11.2	56	22.3	QP	L1	GND
3.970000	29.50	11.4	56	26.5	QP	L1	GND
10.670000	47.50	11.6	60	12.5	QP	L1	GND
16.920000	35.90	11.7	60	24.1	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-04_fin2"

2017-9-9 14:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	37.30	10.9	51	14.1	AV	L1	GND
0.384000	37.70	10.9	48	10.5	AV	L1	GND
1.262000	27.80	11.2	46	18.2	AV	L1	GND
2.190000	24.00	11.3	46	22.0	AV	L1	GND
10.650000	28.50	11.6	50	21.5	AV	L1	GND
16.645000	25.00	11.7	50	25.0	AV	L1	GND

Test mode : BT communicating (AC 120V/60Hz)
EUT mode : T150A-CG
Adapter 2

MEASUREMENT RESULT: "TS-0909-05_fin"

2017-9-9 14:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	46.70	10.9	61	14.7	QP	L1	GND
0.550000	37.20	11.0	56	18.8	QP	L1	GND
1.290000	35.00	11.2	56	21.0	QP	L1	GND
2.180000	34.20	11.3	56	21.8	QP	L1	GND
8.595000	23.20	11.5	60	36.8	QP	L1	GND
16.690000	30.10	11.7	60	29.9	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-05_fin2"

2017-9-9 14:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	45.50	10.9	51	5.9	AV	L1	GND
0.552000	33.30	11.0	46	12.7	AV	L1	GND
1.810000	32.00	11.2	46	14.0	AV	L1	GND
2.135000	29.30	11.3	46	16.7	AV	L1	GND
6.510000	20.40	11.5	50	29.6	AV	L1	GND
17.250000	18.70	11.7	50	31.3	AV	L1	GND

MEASUREMENT RESULT: "TS-0909-06_fin"

2017-9-9 14:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.262000	46.30	10.9	61	15.1	QP	N	GND
0.554000	39.80	11.0	56	16.2	QP	N	GND
1.540000	32.50	11.2	56	23.5	QP	N	GND
2.925000	27.80	11.3	56	28.2	QP	N	GND
6.350000	24.10	11.5	60	35.9	QP	N	GND
17.920000	19.60	11.7	60	40.4	QP	N	GND

MEASUREMENT RESULT: "TS-0909-06_fin2"

2017-9-9 14:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.262000	45.70	10.9	51	5.7	AV	N	GND
0.556000	36.30	11.0	46	9.7	AV	N	GND
1.940000	28.20	11.3	46	17.8	AV	N	GND
2.140000	26.20	11.3	46	19.8	AV	N	GND
5.385000	18.20	11.5	50	31.8	AV	N	GND
17.920000	14.30	11.7	50	35.7	AV	N	GND

Test mode : BT communicating (AC 240V/60Hz)
EUT mode : T150A-CG
Adapter 2

MEASUREMENT RESULT: "TS-0909-07_fin"

2017-9-9 14:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.264000	41.70	10.9	61	19.6	QP	N	GND
0.574000	44.60	11.0	56	11.4	QP	N	GND
1.660000	35.90	11.2	56	20.1	QP	N	GND
2.145000	38.20	11.3	56	17.8	QP	N	GND
11.515000	26.90	11.6	60	33.1	QP	N	GND
29.735000	30.20	11.8	60	29.8	QP	N	GND

MEASUREMENT RESULT: "TS-0909-07_fin2"

2017-9-9 14:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.262000	37.10	10.9	51	14.3	AV	N	GND
0.576000	37.70	11.0	46	8.3	AV	N	GND
1.216000	27.40	11.2	46	18.6	AV	N	GND
2.135000	26.30	11.3	46	19.7	AV	N	GND
11.235000	10.50	11.6	50	39.5	AV	N	GND
29.910000	20.50	11.8	50	29.5	AV	N	GND

MEASUREMENT RESULT: "TS-0909-08_fin"

2017-9-9 14:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.264000	45.80	10.9	61	15.5	QP	L1	GND
0.576000	38.60	11.0	56	17.4	QP	L1	GND
1.800000	37.10	11.2	56	18.9	QP	L1	GND
2.305000	36.40	11.3	56	19.6	QP	L1	GND
11.115000	27.80	11.6	60	32.2	QP	L1	GND
15.885000	19.40	11.7	60	40.6	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-08_fin2"

2017-9-9 14:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.264000	45.30	10.9	51	6.0	AV	L1	GND
0.576000	34.40	11.0	46	11.6	AV	L1	GND
2.120000	33.40	11.3	46	12.6	AV	L1	GND
2.125000	33.20	11.3	46	12.8	AV	L1	GND
5.740000	27.80	11.5	50	22.2	AV	L1	GND
16.710000	14.30	11.7	50	35.7	AV	L1	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

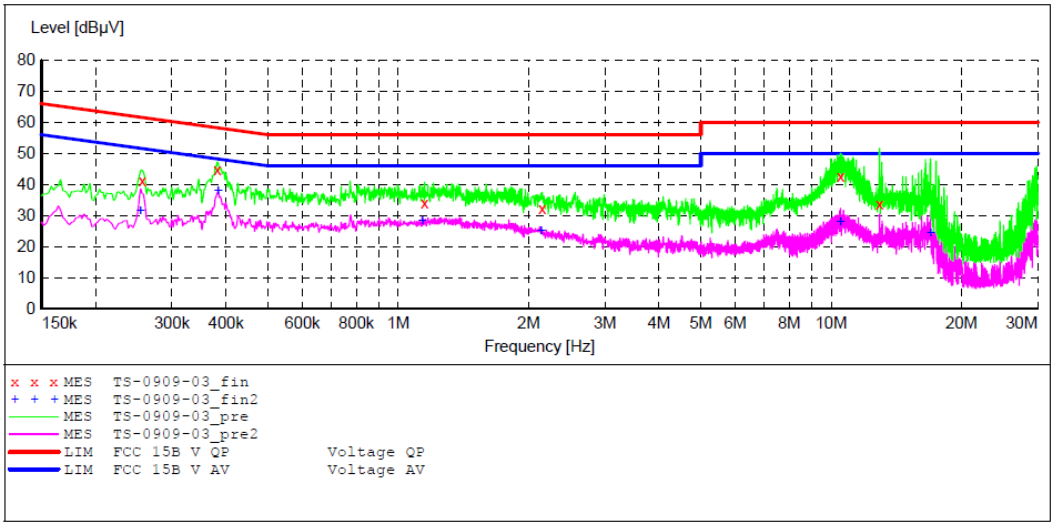
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   N   120V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 14:03:53
                      Adapter 1
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:           _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF      Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz   NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-03_fin"

2017-9-9 14:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.256000	41.10	10.9	62	20.5	QP	N	GND
0.382000	44.90	10.9	58	13.3	QP	N	GND
1.150000	34.20	11.2	56	21.8	QP	N	GND
2.150000	32.40	11.3	56	23.6	QP	N	GND
10.510000	42.60	11.6	60	17.4	QP	N	GND
12.930000	33.60	11.6	60	26.4	QP	N	GND

MEASUREMENT RESULT: "TS-0909-03_fin2"

2017-9-9 14:06

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.254000	31.70	10.9	52	19.9	AV	N	GND
0.384000	38.20	10.9	48	10.0	AV	N	GND
1.136000	28.40	11.2	46	17.6	AV	N	GND
2.135000	25.20	11.3	46	20.8	AV	N	GND
10.510000	27.90	11.6	50	22.1	AV	N	GND
16.960000	24.50	11.7	50	25.5	AV	N	GND

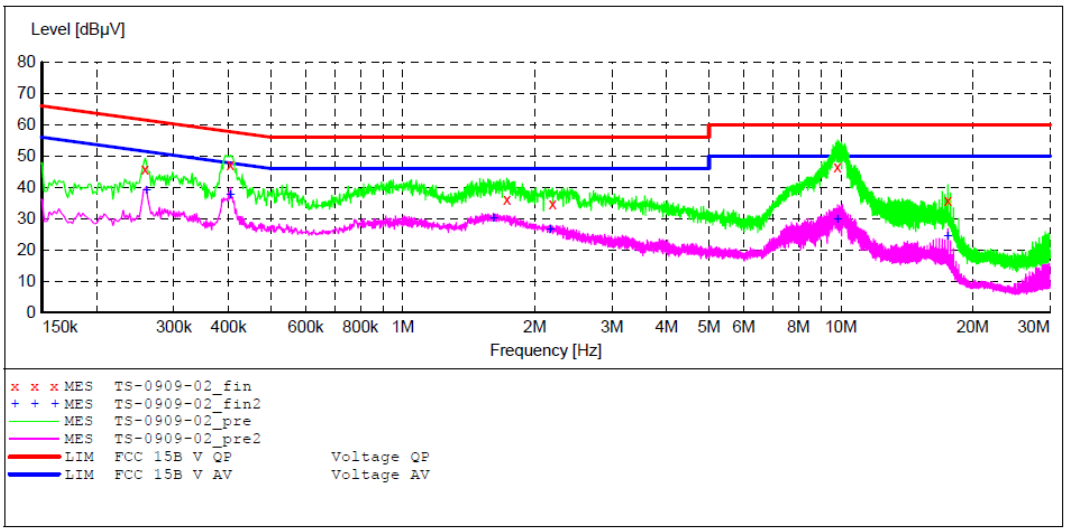
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   N   240V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 11:31:32
                      Adapter 1
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:            _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-02_fin"

2017-9-9 11:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.258000	45.80	10.9	62	15.7	QP	N	GND
0.404000	47.30	11.0	58	10.5	QP	N	GND
1.728000	36.40	11.2	56	19.6	QP	N	GND
2.195000	34.90	11.3	56	21.1	QP	N	GND
9.825000	46.70	11.6	60	13.3	QP	N	GND
17.540000	35.70	11.7	60	24.3	QP	N	GND

MEASUREMENT RESULT: "TS-0909-02_fin2"

2017-9-9 11:33

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	38.90	10.9	51	12.5	AV	N	GND
0.404000	37.70	11.0	48	10.1	AV	N	GND
1.610000	30.30	11.2	46	15.7	AV	N	GND
2.170000	26.70	11.3	46	19.3	AV	N	GND
9.825000	29.90	11.6	50	20.1	AV	N	GND
17.540000	24.50	11.7	50	25.5	AV	N	GND

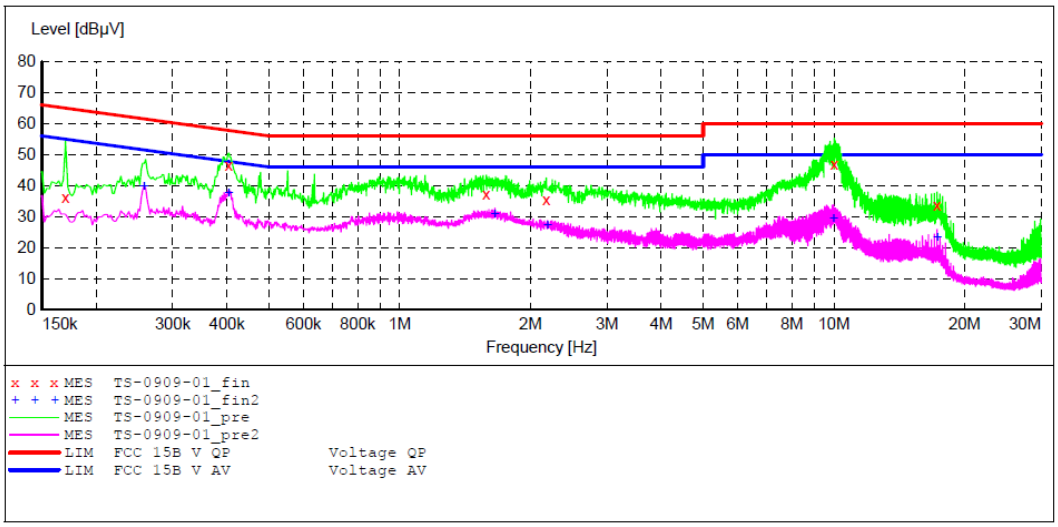
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   L   240V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 11:25:04
                      Adapter 1
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-01_fin"

2017-9-9 11:29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	36.10	10.8	65	28.9	QP	L1	GND
0.404000	46.60	11.0	58	11.2	QP	L1	GND
1.582000	37.50	11.2	56	18.5	QP	L1	GND
2.175000	35.40	11.3	56	20.6	QP	L1	GND
10.015000	47.00	11.6	60	13.0	QP	L1	GND
17.280000	33.60	11.7	60	26.4	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-01_fin2"

2017-9-9 11:29

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.258000	39.90	10.9	52	11.6	AV	L1	GND
0.404000	37.70	11.0	48	10.1	AV	L1	GND
1.656000	30.70	11.2	46	15.3	AV	L1	GND
2.190000	27.50	11.3	46	18.5	AV	L1	GND
9.965000	29.40	11.6	50	20.6	AV	L1	GND
17.280000	23.30	11.7	50	26.7	AV	L1	GND

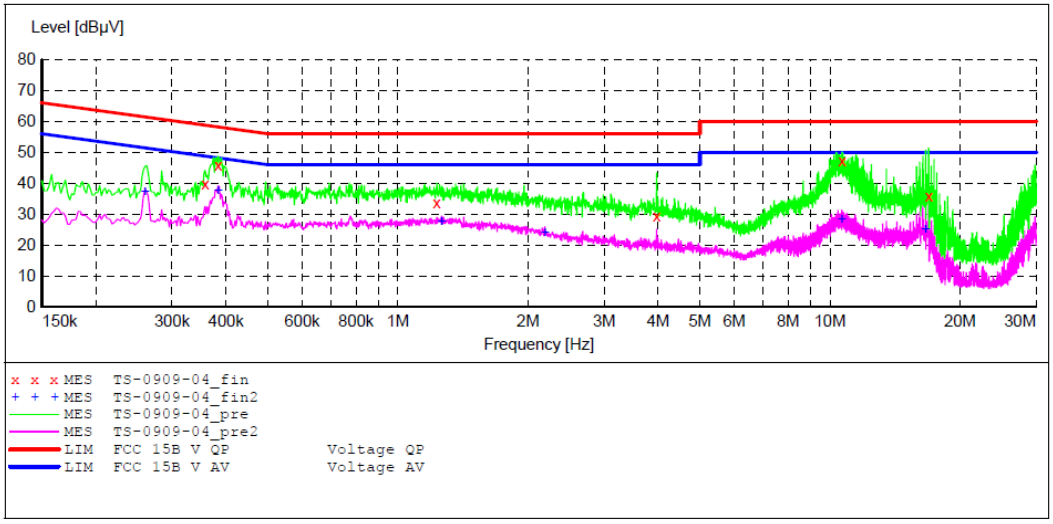
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   L   120V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 14:09:14
                      Adapter 1
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF      Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz   NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-04_fin"

2017-9-9 14:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.358000	39.80	10.9	59	19.0	QP	L1	GND
0.384000	45.80	10.9	58	12.4	QP	L1	GND
1.230000	33.70	11.2	56	22.3	QP	L1	GND
3.970000	29.50	11.4	56	26.5	QP	L1	GND
10.670000	47.50	11.6	60	12.5	QP	L1	GND
16.920000	35.90	11.7	60	24.1	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-04_fin2"

2017-9-9 14:11

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	37.30	10.9	51	14.1	AV	L1	GND
0.384000	37.70	10.9	48	10.5	AV	L1	GND
1.262000	27.80	11.2	46	18.2	AV	L1	GND
2.190000	24.00	11.3	46	22.0	AV	L1	GND
10.650000	28.50	11.6	50	21.5	AV	L1	GND
16.645000	25.00	11.7	50	25.0	AV	L1	GND

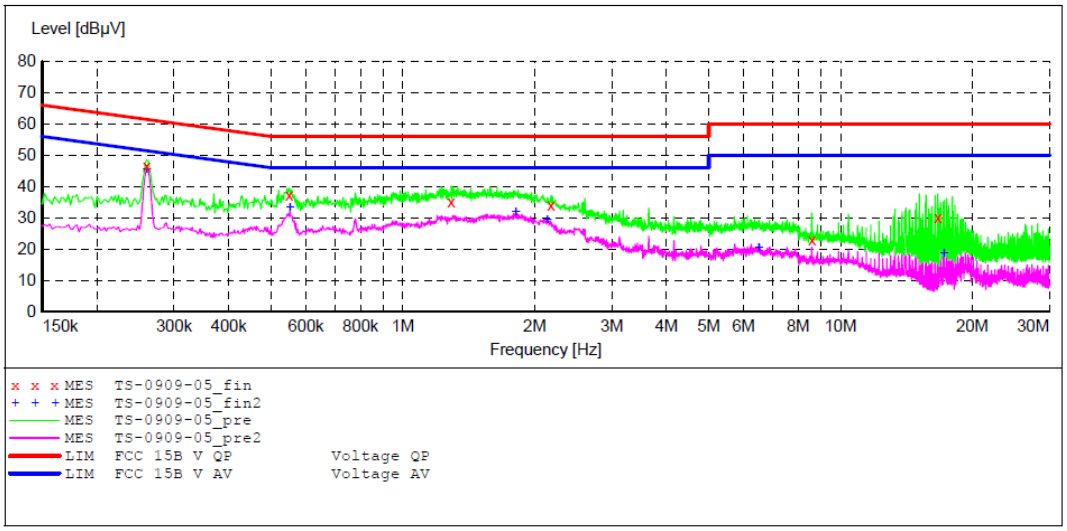
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   L   120V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 14:14:50
                      Adapter 2
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-05_fin"

2017-9-9 14:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	46.70	10.9	61	14.7	QP	L1	GND
0.550000	37.20	11.0	56	18.8	QP	L1	GND
1.290000	35.00	11.2	56	21.0	QP	L1	GND
2.180000	34.20	11.3	56	21.8	QP	L1	GND
8.595000	23.20	11.5	60	36.8	QP	L1	GND
16.690000	30.10	11.7	60	29.9	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-05_fin2"

2017-9-9 14:17

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.260000	45.50	10.9	51	5.9	AV	L1	GND
0.552000	33.30	11.0	46	12.7	AV	L1	GND
1.810000	32.00	11.2	46	14.0	AV	L1	GND
2.135000	29.30	11.3	46	16.7	AV	L1	GND
6.510000	20.40	11.5	50	29.6	AV	L1	GND
17.250000	18.70	11.7	50	31.3	AV	L1	GND

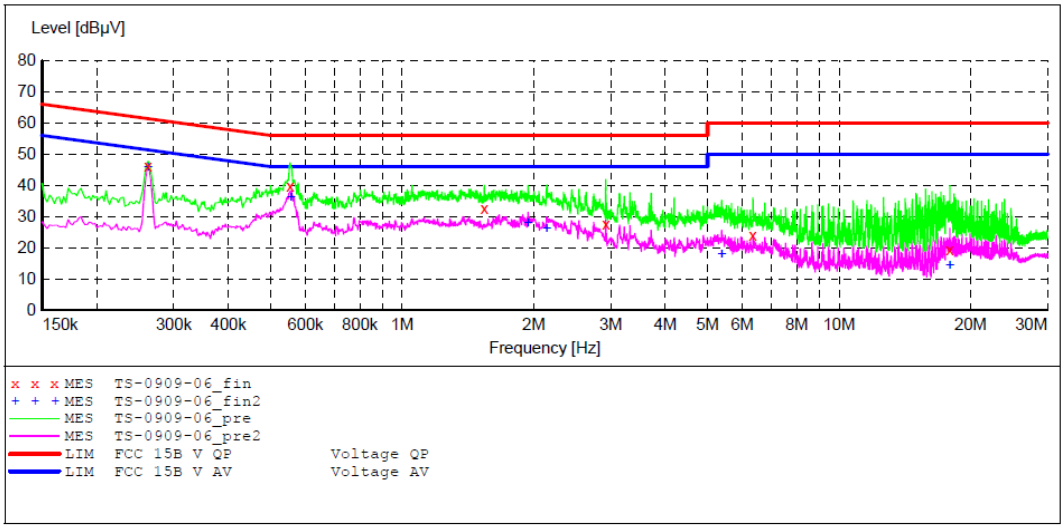
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   N   120V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 14:18:14
                      Adapter 2
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-06_fin"

2017-9-9 14:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.262000	46.30	10.9	61	15.1	QP	N	GND
0.554000	39.80	11.0	56	16.2	QP	N	GND
1.540000	32.50	11.2	56	23.5	QP	N	GND
2.925000	27.80	11.3	56	28.2	QP	N	GND
6.350000	24.10	11.5	60	35.9	QP	N	GND
17.920000	19.60	11.7	60	40.4	QP	N	GND

MEASUREMENT RESULT: "TS-0909-06_fin2"

2017-9-9 14:20

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.262000	45.70	10.9	51	5.7	AV	N	GND
0.556000	36.30	11.0	46	9.7	AV	N	GND
1.940000	28.20	11.3	46	17.8	AV	N	GND
2.140000	26.20	11.3	46	19.8	AV	N	GND
5.385000	18.20	11.5	50	31.8	AV	N	GND
17.920000	14.30	11.7	50	35.7	AV	N	GND

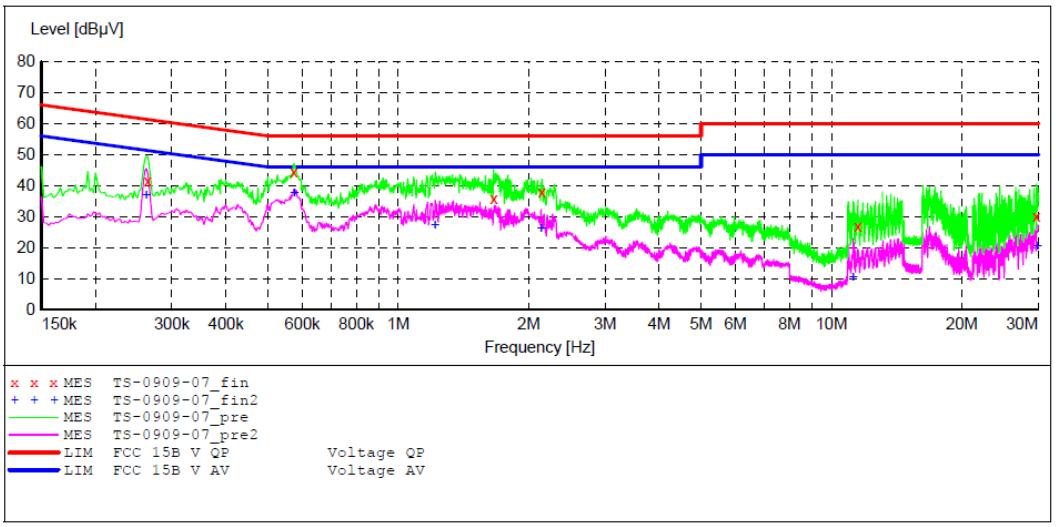
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   N   240V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 14:22:21
                      Adapter 2
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-07_fin"

2017-9-9 14:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.264000	41.70	10.9	61	19.6	QP	N	GND
0.574000	44.60	11.0	56	11.4	QP	N	GND
1.660000	35.90	11.2	56	20.1	QP	N	GND
2.145000	38.20	11.3	56	17.8	QP	N	GND
11.515000	26.90	11.6	60	33.1	QP	N	GND
29.735000	30.20	11.8	60	29.8	QP	N	GND

MEASUREMENT RESULT: "TS-0909-07_fin2"

2017-9-9 14:27

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.262000	37.10	10.9	51	14.3	AV	N	GND
0.576000	37.70	11.0	46	8.3	AV	N	GND
1.216000	27.40	11.2	46	18.6	AV	N	GND
2.135000	26.30	11.3	46	19.7	AV	N	GND
11.235000	10.50	11.6	50	39.5	AV	N	GND
29.910000	20.50	11.8	50	29.5	AV	N	GND

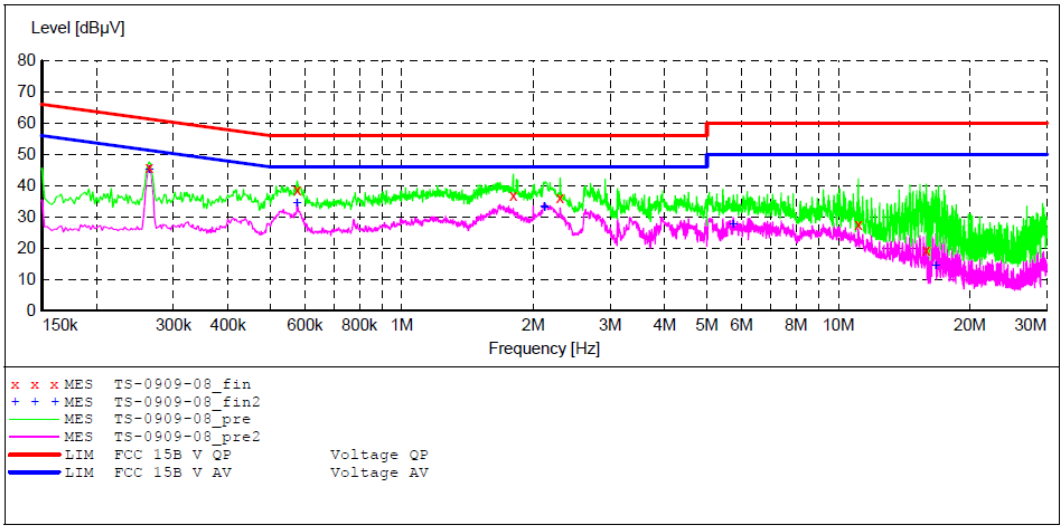
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART15B

```
EUT:                  Stereo Turntable System M/N:T150A-CG
Manufacturer:         TIMSEN
Operating Condition:  BT communicating
Test Site:            1#Shielding Room
Operator:             BLACK
Test Specification:   L   240V/60Hz
Comment:              Report NO.:ATE20171878
Start of Test:        2017-9-9 / 14:29:46
                      Adapter 2
```

SCAN TABLE: "V 150K-30MHz fin"

```
  Short Description:              _SUB_STD_VTERM2 1.70
  Start      Stop       Step      Detector  Meas.     IF       Transducer
  Frequency  Frequency  Width               Time      Bandw.
  150.0 kHz  30.0 MHz   4.5 kHz   QuasiPeak 1.0 s     9 kHz    NSLK8126 2008
                                  Average
```



MEASUREMENT RESULT: "TS-0909-08_fin"

2017-9-9 14:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.264000	45.80	10.9	61	15.5	QP	L1	GND
0.576000	38.60	11.0	56	17.4	QP	L1	GND
1.800000	37.10	11.2	56	18.9	QP	L1	GND
2.305000	36.40	11.3	56	19.6	QP	L1	GND
11.115000	27.80	11.6	60	32.2	QP	L1	GND
15.885000	19.40	11.7	60	40.6	QP	L1	GND

MEASUREMENT RESULT: "TS-0909-08_fin2"

2017-9-9 14:34

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.264000	45.30	10.9	51	6.0	AV	L1	GND
0.576000	34.40	11.0	46	11.6	AV	L1	GND
2.120000	33.40	11.3	46	12.6	AV	L1	GND
2.125000	33.20	11.3	46	12.8	AV	L1	GND
5.740000	27.80	11.5	50	22.2	AV	L1	GND
16.710000	14.30	11.7	50	35.7	AV	L1	GND

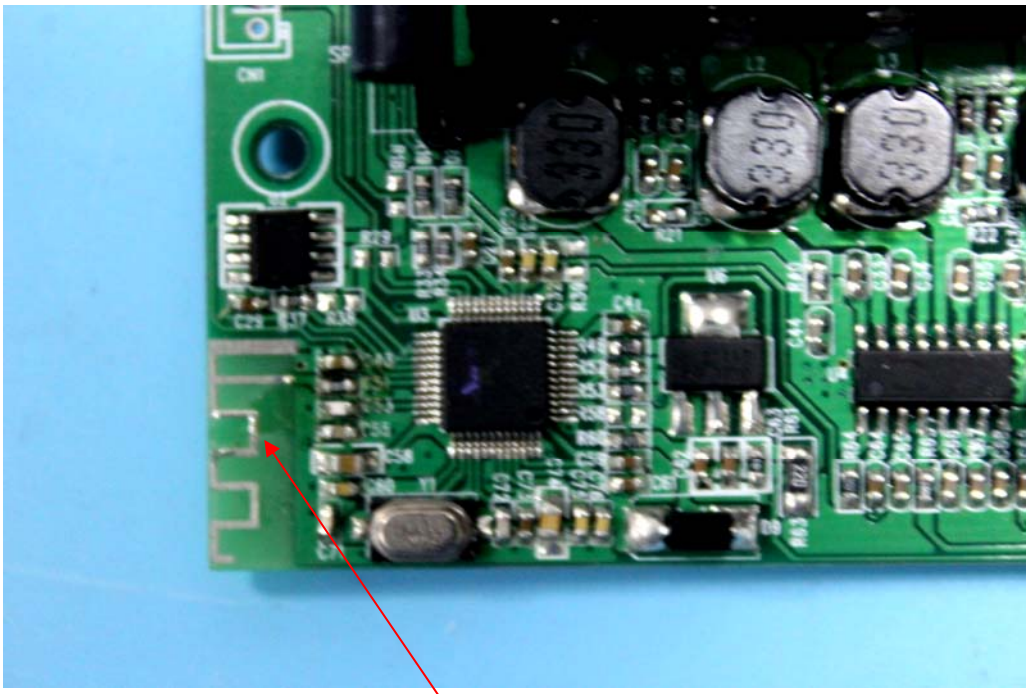
13. ANTENNA REQUIREMENT

13.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

13.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Max Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



******* End of Test Report *******